

Big Maths, Beat That!

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How to use 'Big Maths, Beat That!' to rapidly raise standards

- 'Big Maths, Beat That!' is an assessment tool that allows teachers to see exactly what their children know and what they don't know.
- It provides children with a fun and motivational way to track their own progress and set their own targets for numeracy.
- It involves two quick and easy tests that children typically complete on a Friday alongside Big Write.
- The children are constantly challenged to increase their own score (literally..."Beat That!", where 'that' is their best ever score) and the teachers' role in uplevelling each child is at the heart of teaching through CLIC.
- One is called 'The CLIC Challenge' and it asks children to answer 10 key numeracy questions. There are 5 different challenges. There is no time limit as such and children complete their pencil and paper jottings around the sheet or on the back of it. Teachers should play the CLIC challenge jingle (available on the Andrell Education website) either before the challenge itself or just before the challenges are marked/returned. Once children have scored 10 out of 10 in 3 consecutive weeks then they move on to the next level up. Learners that 'flatline' and do not make sufficient progress are taught specifically how to complete appropriate questions. In this way all children are 'uplevelled'.
- The second challenge is called 'The Total Recall Challenge' and it asks the children to answer a set number of 'Learn Its' questions in a set time. There is another jingle (again available for free from the Andrell Education website), and these provide the time limits for each challenge. There are 6 different Total Recall challenges, and these are linked to the Learn Its schedule from Big Maths. Children keep the same challenge all year and aim to write down all the facts required in the time available. Once they can complete it in the time available then they aim to complete it in a quicker time.
 - Steps 1, 2, 3 - only addition facts
 - Steps 4, 5, 6 - only addition facts
 - Steps 7, 8, 9 - there are the remaining 1 digit add 1 digit facts and facts from the X10, X5 and X2 tables
 - Steps 10, 11, 12 - there are no addition facts since the focus is on the X3, X4 and X8 tables
 - Step 13 - the 6 multiplication facts from the X6, X7, X9 tables that have not already been learnt as part of earlier tables are tested along with all 36 of the addition facts.
 - Steps 1 - 13 - all 36 addition facts and 36 multiplication facts are tested.
- For all 11 challenges (the 5 CLIC challenges and the 6 Total Recall challenges) Big Maths provides a new challenge for each week over a 10 week period. This means the children can not merely learn a sequence of answers and therefore keeps the resultant data valid. For example, the whole school would complete the relevant challenge from the week 1 bank of tests and then from the week 2 bank of tests the following week. After 10 weeks then the school returns to the bank of tests from week 1 and begins to move through the 10 weeks again.
- All 110 tests can be found on the 'Big Maths, Beat That!' disc that is available to purchase from Andrell Education. Also on the disc are the equivalent 110 answer sheets as well as the 2 jingles.
- Crucially, the 'Big Maths, Beat That!' disc also has a software package that easily allows schools to input each child's data. The software then creates easy-to-read line graphs for a visual representation of each child's progress over time for both challenges. These can be controlled to select a specific group of children, or to illustrate the average gains of an entire class.
- The software also effortlessly creates bar graphs for each child's 10 CLIC challenge questions so that success in these areas can be quickly tracked.

How to use 'Big Maths, Beat That!' to rapidly raise standards

How do I get started?

- Getting started with 'Big Maths, Beat That!' is easy. You don't have to be teaching through CLIC or using any other Big Maths method.
- Using your knowledge of the children already, simply start by giving them a CLIC challenge one Friday for a level you know they will find easy.
- From that point onwards children are then on the CLIC test progression until they can score 10 out of 10 on the final challenge. Gradually explain to the children how the 'Big Maths, Beat That!' system works. A reward system should be put in place for children that do 'beat that' and get their best ever score, as well as for the class if a class target is set using the line graph of the class average.
- After a routine has been developed then start to add in the jingle if you haven't already done so from the start.
- Then, start to use the software and input each child's score every week. Creating the line graphs and then sharing them with the children and parents is easy.
- After a few weeks then start to add input the data at the question level and start to look at the bar graphs that indicate which questions individual children need more help on (if any!).
- Begin to use the information from the graphs to inform planning.

How does it become embedded?

- Once the above steps have been made then the system runs itself and children become more and more motivated to keep going and beating their best ever scores.
- If all teachers across the school are focussing their teaching around the questions that are not being answered correctly then a culture of personalised learning is created. Schools already implementing Big Write will be familiar with the feelings of enthusiasm, success and pride spreading contagiously throughout a school.
- Subject leaders may wish to analyse the whole-school dimension using the software on the disc to look for line graphs showing areas of flat-lining and respond appropriately. The significance of this is that the 'Big Maths, Beat That!' package will ensure that all children move through school learning the core skills of numeracy increasingly rapidly and at increasingly higher levels.
- Each child becomes familiar with the three targets that they would take ownership of at any one time, i.e. their next step on the progress drive that they are climbing at any one moment in time, their CLIC test score, and their 'Total Recall' test score i.e. knowing which question they need to focus on being able to answer next) see next page.
- Teachers can then focus their personalised teaching on the skills and concepts that the learners don't possess.

Big Maths Target Setting

1

Next Step on any current Progress Drive

2

'CLIC, Beat That!' Uplevelling Target – and an improved CLIC Challenge score

3

3 Learn Its from CLIC lessons – and an improved Total Recall challenge score

'Big Maths, Beat That'

CLIC Tests

Criterion Scales For Essential CLIC Numeracy



BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 1 ~

Questions 1 to 5

Q No.	APP Statement	'I Can...' statement	Location within Big Maths	Teacher Notes
1	Numbers and the number system: • write numbers to 10	I can write numbers	None - it is assumed that writing the digits 0 to 9 will be taught as part of the EYFS curriculum.	This Level 1 target is to be able to write the numbers from 1 to 10. In the answer book it tells you which number to ask the children to write for each test.
2	Numbers and the number system: • order numbers to 10	I can order numbers to 10	Counting - section 4: Ordering Numbers	The children have to write the 3 numbers in the correct order (smallest to largest).
3	Numbers and the number system: • say what number comes next, is one more/less	I can add one/take one	Counting - section 7: How many are there still?	The children should not use a number line or any other resource to help them (but <i>can</i> use their fingers).
4	Mental Methods: • add numbers of objects to 10 - begin to add by counting on from the number of objects in the first set	I can add numbers of objects to 10	Calculation - addition: Step 5	None
5	Mental Methods: • begin to know some double facts, e.g. doubles of numbers to double 5	I know my finger doubles	Learn Its: Rec. term 1 and 2	The children should not use a number line or any other resource to help them (but <i>can</i> use their fingers).

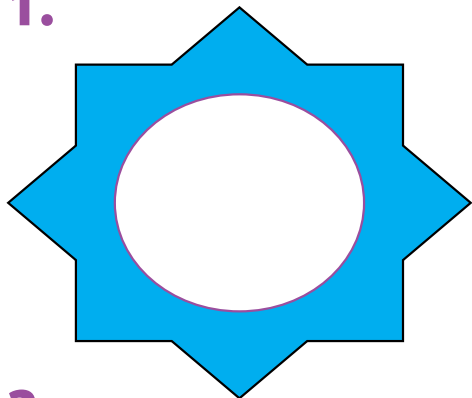
BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 1 ~

Questions 6 to 10

Q No.	APP Statement	'I Can...' statement	Location within Big Maths	Teacher Notes
6	Written Methods: - begin to use the symbols '+' and '='	I can solve a number sentence	Calculation - addition: Step 8	The children should not use a number line or any other resource to help them (but <i>can</i> use their fingers).
7	Fractions: • halve an even number of objects	I can halve an even number of objects	Calculation - division: Step 4	Here the children can use blocks or another object based resource to help them halve an even number. No help should be given on how to use the blocks.
8	Numbers and the number system: • count up to 10 objects	I can count 10 objects	Counting - section 6: Actual Counting	N/A
9	Solving numerical problems: - given a number work out 'how many more to make...'	I know the missing piece to 10	It's Nothing New - section 4: Jigsaw Numbers	The children should not use a number line or any other resource to help them (but <i>can</i> use their fingers).
10	Mental Methods: • subtract numbers of objects to 10	I can take away numbers of objects to 10	Calculation - subtraction: Step 5	Here the children can use blocks or another object based resource to help them subtract a number of objects. No help should be given on how to use the blocks.

1.



2.

Write these numbers in order

2

4

8

3.

One more than
3 is?

4.



+



=

BIG MATHS BEAT THAT!

5.

Double
4 is

6.

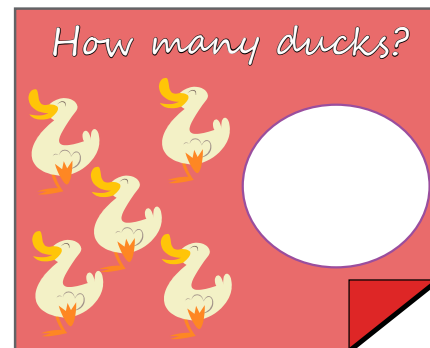
$3 + 6 =$

Half of 8 is...

7.

Name: _____

8.



9.

6

+

=

10

10.

5 take away
3 is...

BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 2 ~

Questions 1 to 5

Q No.	APP Statement	'I Can...' statement	Location within Big Maths	Teacher Notes
1	Numbers and the number system: <ul style="list-style-type: none"> begin to understand the place value of each digit know the relative size of numbers to 100 	I can partition a 2 digit number	Counting - section 3: Squiggleworth	N/A
2	Numbers and the number system: <ul style="list-style-type: none"> recognise sequences of numbers, including odd and even numbers, e.g. recognise numbers from counting in twos 	I can spot odd and even numbers	Counting - section 8: Counting Multiples	N/A
3	Solving numerical problems: <ul style="list-style-type: none"> use repeated addition to solve multiplication problems 	I can solve repeated addition	Calculation - multiplication: Step 8	This question is designed for children that have been taught to use repeated addition for multiplication when they can not solve by instant recall. For example, children in Year 2 that are following the Big Maths 'Learn Its' schedule will only know multiples of 10, 5 and 2 by instant recall and so they are given questions here that encourage repeated addition.
4	Operations, relationships between them : <ul style="list-style-type: none"> use the knowledge that subtraction is the inverse of addition given 14, 6 and 8, make related number sentences $6 + 8 = 14, 14 - 8 = 6, 8 + 6 = 14, 14 - 6 = 8$	I know the fact families for 1d + 1d facts	It's Nothing New - section 10: Fact Families	This question gives a number sentence (including the 'answer') since what is being tested is the ability to derive new facts not the ability to find totals.
5	Mental methods: <ul style="list-style-type: none"> recall doubles to 10 + 10 	I know my doubles facts	Learn Its: Y1 term 3	The children should not use a number line or any other resource to help them.

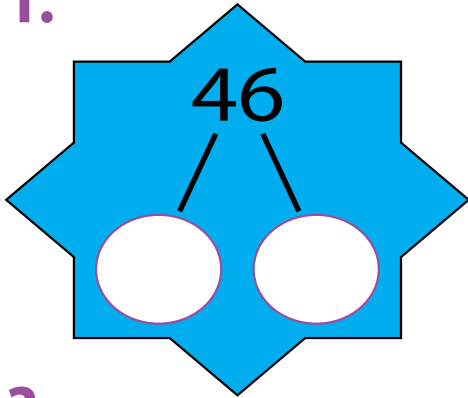
BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 2 ~

Questions 6 to 10

Q No.	APP Statement	'I Can...' statement	Location within Big Maths
6	Solving numerical problems: - add two-digit and one digit numbers, bridging tens where necessary	I can solve <i>any</i> $2d + 1d$	Calculation - addition: Step 20
7	Solving numerical problems: - subtract two-digit and one digit numbers, bridging tens where necessary	I can take any 1 digit number from any 2 digit number	Calculation - subtraction: Step 18
8	Mental methods: - use mental recall of addition and subtraction facts to 10, e.g.- use addition/subtraction facts to 10 and place value to add or subtract multiples of 10, e.g. know $3 + 7 = 10$ and use place value to derive $30 + 70 = 100$	I can add 10s	It's Nothing New - section 2: Adding with Pim
9	Mental methods: • use mental recall of addition facts to 10	I know the missing piece to the next multiple of 10	It's Nothing New - section 4: Jigsaw Numbers
10	Mental methods: - use knowledge of doubles to $10 + 10$ to derive corresponding halves	I can use my double facts to find halving facts	Learn Its: Y1 term 3

1.

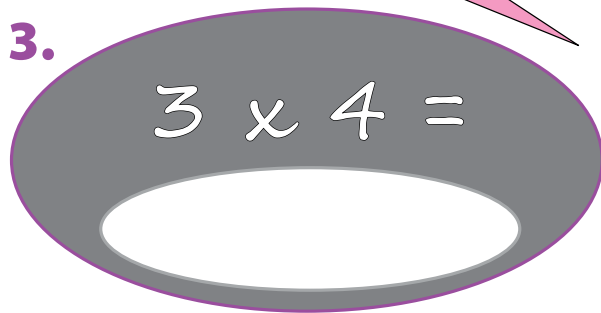


2.

Draw a ring around the **odd** numbers

46 71 19 8

3.



6.

$$36 + 7 =$$

$$65 - 7 =$$

7.

4.

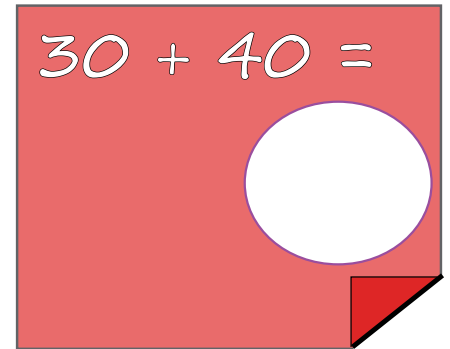
Write out the
fact family
for:

$$8 + 6 = 14$$

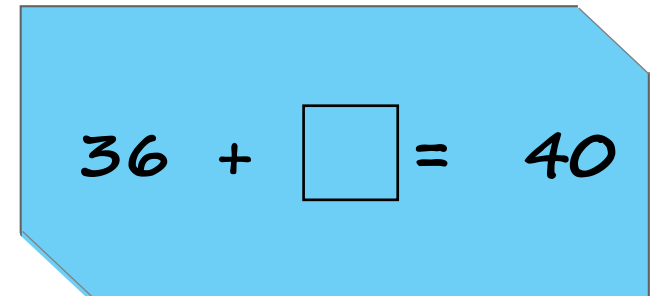
BIG MATHS BEAT THAT!

Name: _____

8.



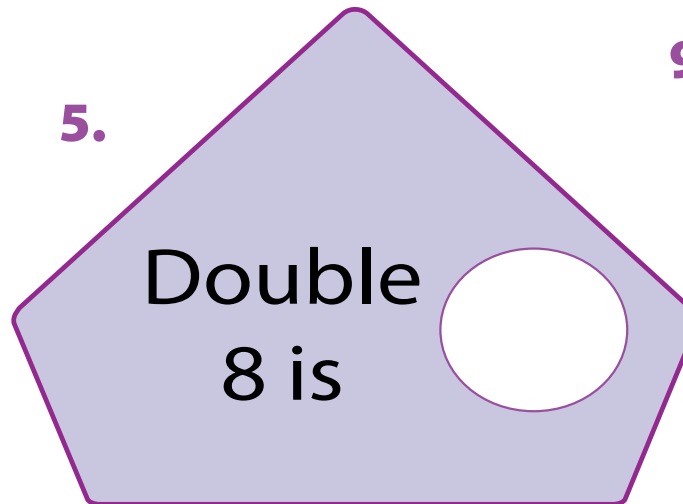
9.



10.



5.



BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 3 ~

Questions 1 to 5

Q No.	APP Statement	'I Can...' statement	Location within Big Maths
1	Numbers and the number system: <ul style="list-style-type: none"> Understand place value in numbers up to 1000 	I can partition a 3 digit number	Counting - section 3: Squiggleworth
2	Written methods: <ul style="list-style-type: none"> divide 2 digit numbers by 2, 3, 4 or 5 with whole number answers and remainders, e.g. $49 \div 3$ 	I can combine 2 or more tables facts to solve division	Calculation - division: Step 19
3	Mental methods: <ul style="list-style-type: none"> use mental recall of the 2, 3, 4, 5 and 10 multiplication tables 	I can multiply multiples of 10 (2, 3, 4 and 5 tables only)	It's Nothing New - section 6: Smile Multiplication
4	Operations, relationships between them: <ul style="list-style-type: none"> derive associated division facts from known multiplication facts, e.g. - given a number sentence, use understanding of operations to create related sentences, e.g. given $14 \times 5 = 70$, create $5 \times 14 = 70$, $70 \div 5 = 14$, $70 \div 14 = 5$ 	When given a single fact, I know the Fact Family	It's Nothing New - section 10: Fact Families
5	Fractions and decimals: <ul style="list-style-type: none"> begin to use decimal notation 	I can partition a 1 dp number	Counting - section 3: Squiggleworth

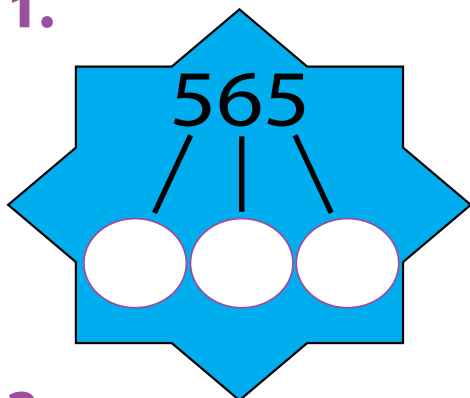
BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 3 ~

Questions 6 to 10

Q No.	APP Statement	'I Can...' statement	Location within Big Maths
6	Written methods: <ul style="list-style-type: none"> • add three-digit numbers using written method 	I can solve any 3d add 3d	Calculation - addition: Step 29
7	Written methods: <ul style="list-style-type: none"> • subtract three-digit numbers using written method, e.g. - use written methods that involve bridging 10 or 100 	I can solve any 3d take 3d	Calculation - subtraction: Step 32
8	Numbers and the number system: <ul style="list-style-type: none"> • use understanding of place value to multiply/divide whole numbers by 10 (whole number answers) 	I can multiply and divide whole numbers by 10	It's Nothing New - section 5: Multiplying by 10
9	Mental methods: <ul style="list-style-type: none"> - calculate complements to 100 such as 100-24 	I know the missing piece to 100	It's Nothing New - section 4: Jigsaw Numbers
10	Written methods: <ul style="list-style-type: none"> • multiply 2 digit numbers by 2, 3, 4 or 5 	I can solve 2d X 1d	Calculation - multiplication: Step 11

1.



2.

$$73 \div 5 =$$



3.

$$30 \times 80 =$$



6.

$$456 + 278 =$$



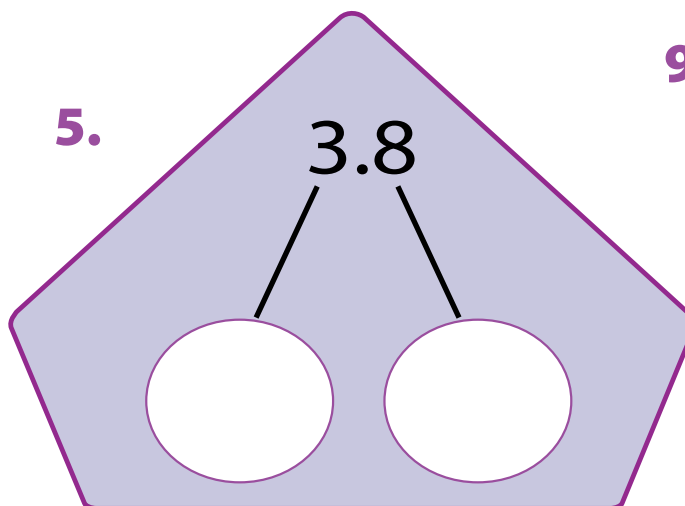
4.

Write out the
fact family
for:

$$13 + 68 = 81$$

BIG MATHS BEAT THAT!

5.



9.

$$36 + \square = 100$$

10.

$$45 \times 5 =$$

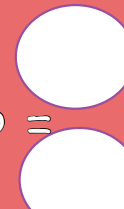
7.

Name: _____

8.

$$54 \times 10 =$$

$$320 \div 10 =$$



BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 4 ~

Questions 1 to 5

Q No.	APP Statement	'I Can...' statement	Location within Big Maths
1	Fractions, decimals, percentages and ratio and proportion: • order decimals to three decimal places	I can partition a 3 dp number	Counting - section 3: Squiggleworth
2	Numbers and the number system: • recognise number relationships including multiple, factor and square	I know what a multiple, factor, square number is	It's Nothing New - section 9: Pom's Words
3	Mental, written and calculator methods: - use efficient written methods of division	I can combine 2 or more tables facts to solve division	Calculation - division: Step 27
4	Fractions, decimals, percentages and ratio and proportion: • recognise simple equivalence between fractions, decimals and percentages e.g. $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{10}$, $\frac{3}{4}$	I can write fractions as decimals and percentages	Counting - section 9: Count Fourways
5	Mental, written and calculator methods: - use efficient written methods of multiplication	I can solve 2 digit X 2 digit	Calculation - multiplication: Step 16

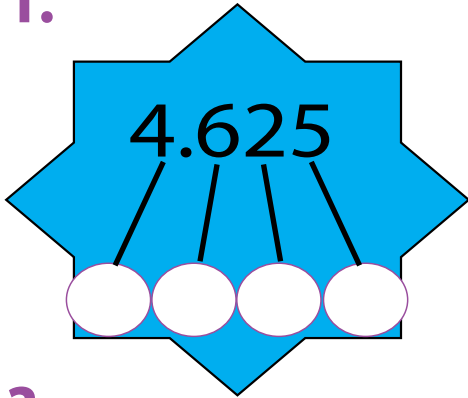
BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 4 ~

Questions 6 to 10

Q No.	APP Statement	'I Can...' statement	Location within Big Maths
6	Mental, written and calculator methods: - add decimals to two places	I can solve <i>any</i> additions with 2dp	Calculation - addition: Step 37
7	Mental, written and calculator methods: - subtract decimals to two places	I can subtract numbers with hundredths	Calculation - subtraction: Step 34
8	Numbers and the number system: • use place value to multiply and divide whole numbers by 10 or 100	I can multiply/divide whole numbers by 10, 100	It's Nothing New - section 5: Multiplying by 10
9	Mental, written and calculator methods: - calculate complements to 100 such as 100-24	I know the missing piece to 1000	It's Nothing New - section 4: Jigsaw Numbers
10	Mental, written and calculator methods: • multiply a simple decimal by a single digit	I can multiply tenths	Calculation - Multiplication: Step 17

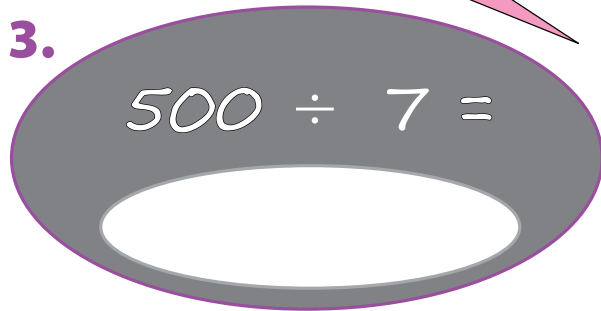
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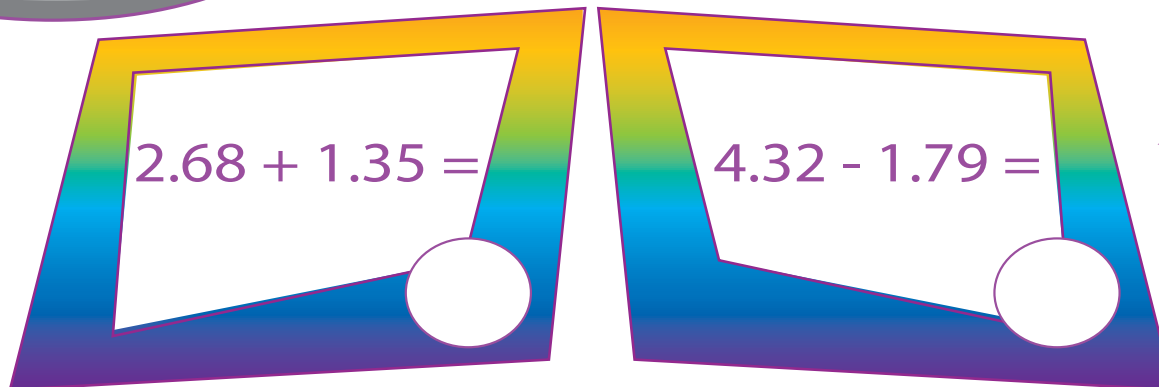
2.



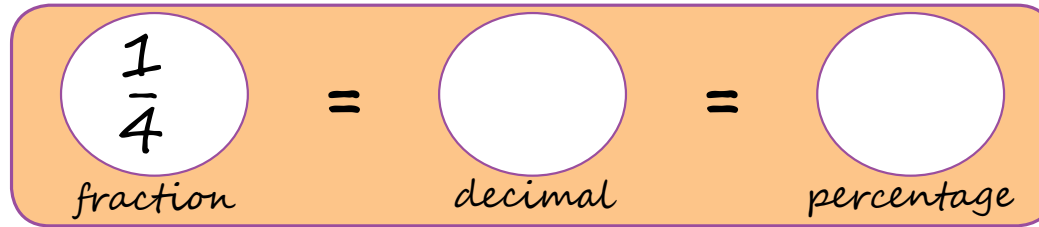
3.



6.



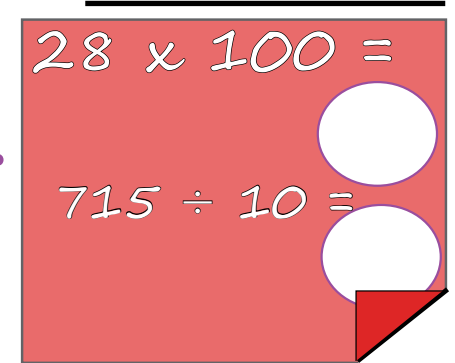
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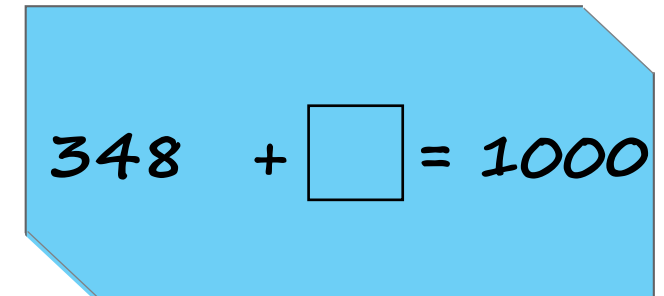
BIG MATHS BEAT THAT!

Name: _____

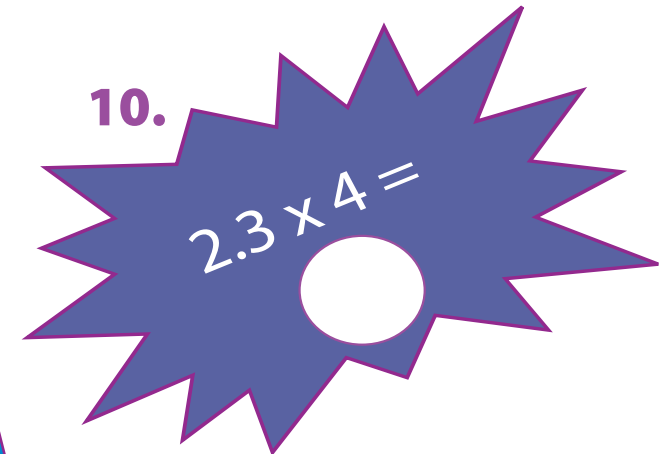
8.



9.



10.



7.

BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 5 ~

Questions 1 to 5

Q No.	APP Statement	'I Can...' statement	Location within Big Maths
1	Mental, written and calculator methods: • divide decimal numbers by a single digit	I can combine 2 or more tables facts to solve decimal division	Calculation - division: Step 33
2	Fractions, decimals, percentages and ratio and proportion: • Order decimals, e.g. - order decimals that have a mixture of one, two or three decimal places	I can order numbers with different decimal places	Counting - section 4: Ordering Numbers
3	Mental, written and calculator methods: - understand and use an appropriate non-calculator method for solving problems that involve dividing any three-digit number by any two-digit number	I can combine 2 or more coin facts to solve division	Calculation - division: Step 31
4	Fractions, decimals, percentages and ratio and proportion: • use equivalence between fractions, e.g. - convert fractions such as $\frac{2}{5}$ into tenths or hundredths and express them as decimals or percentages and vice versa	I can write fractions as decimals and percentages	Counting - section 9: Count Fourways
5	Mental, written and calculator methods: • understand and use an appropriate non-calculator method for solving problems that involve multiplying any three-digit number by any two-digit number	I can solve 3 digit X 2 digit	Calculation - multiplication: Step 19

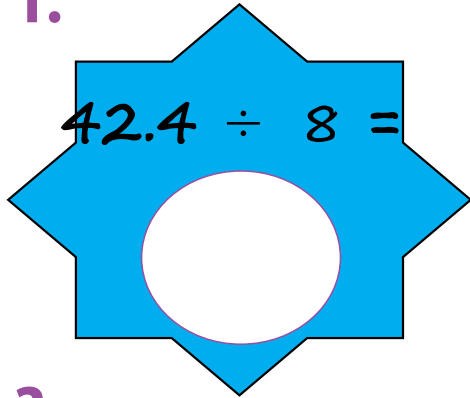
BIG MATHS... BEAT THAT!

CLIC Tests
~ Level 5 ~

Questions 6 to 10

Q No.	APP Statement	'I Can...' statement	Location within Big Maths
6	Mental, written and calculator methods: - add numbers that do not have the same number of decimal places	I can solve <i>any</i> 2dp + 1dp	Calculation - addition: Step 41
7	Mental, written and calculator methods: - subtract numbers that do not have the same number of decimal places	I can subtract numbers with different decimal places	Calculation - subtraction: Step 37
8	Numbers and the number system: • use understanding of place value to multiply and divide whole numbers and decimals by 10, 100 and 1000	I can multiply/divide whole numbers and decimals by 10, 100, 1000	It's Nothing New - section 5: Multiplying by 10
9	Operations, relationships between them: • use known facts, place value and knowledge of operations to calculate, e.g. - calculate decimal complements to 10 or 100 such as 100 - 63.8	I know the missing decimal piece	It's Nothing New - section 4: Jigsaw Numbers
10	Mental, written and calculator methods: • use all four operations with decimals to two places - multiply decimal numbers by a single digit	I can multiply hundredths	Calculation - multiplication: Step 18

1.

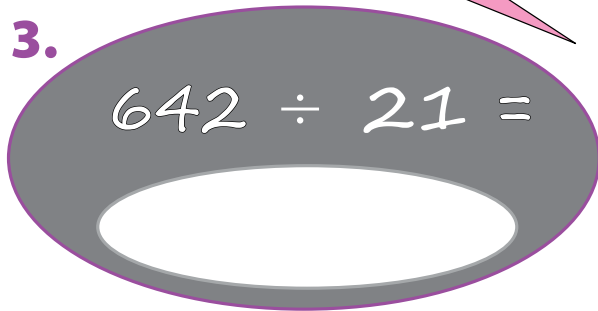


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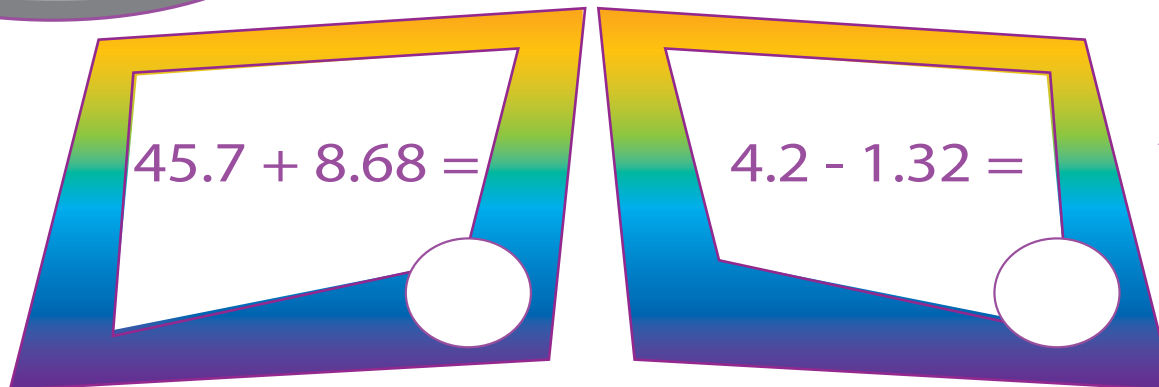
Write these numbers in order...

1.3	1.113
1.31	1.13

3.



6.



4.

$\frac{2}{5}$	=		=	
fraction		decimal		percentage

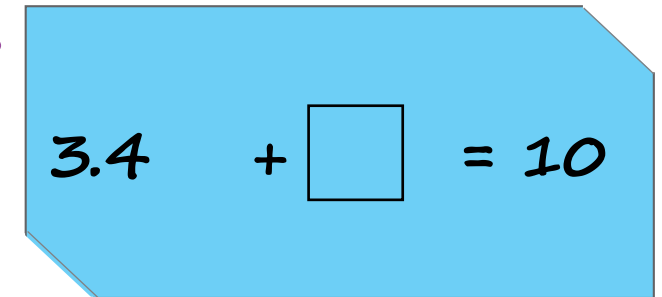
BIG MATHS BEAT THAT!

Name: _____

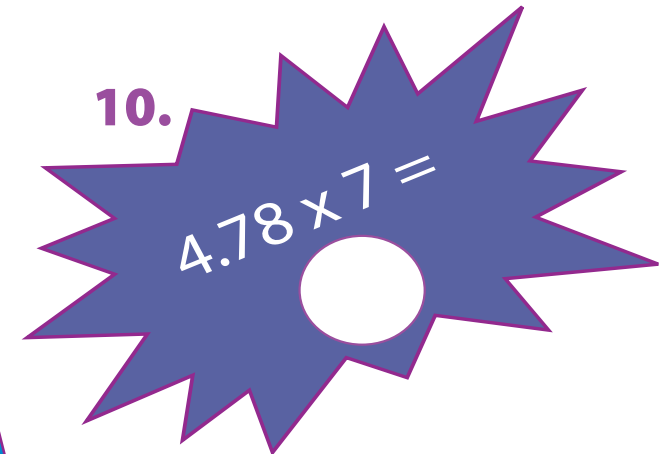
8.

$3.07 \times 1000 =$	
$53.6 \div 1000 =$	

9.



10.

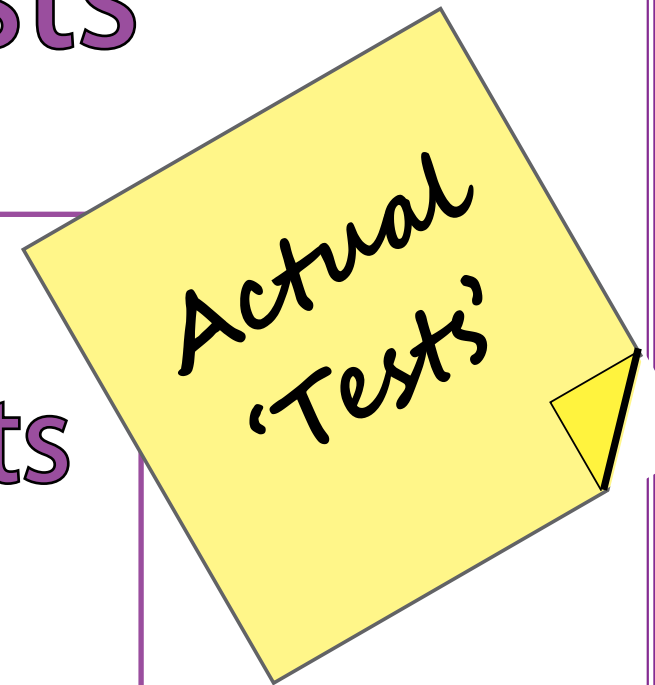


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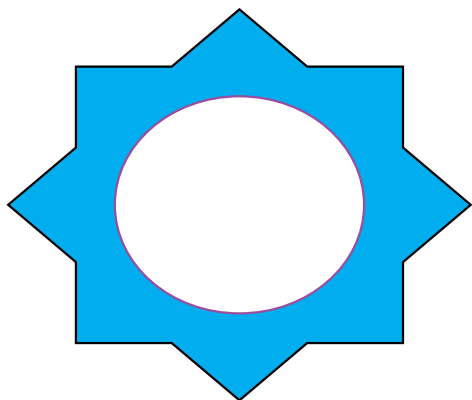
'Big Maths, Beat That'

CLIC Level Tests

Weekly
Key Assessments
For
Up-levelling

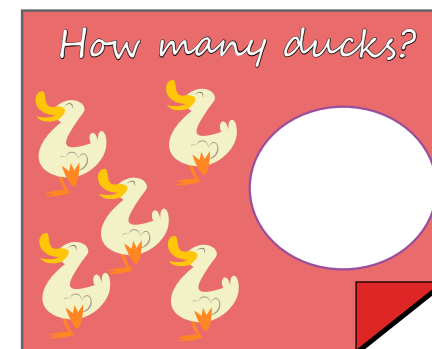


Week One



$$\begin{array}{c} \text{3 balls} \end{array} + \begin{array}{c} \text{4 balls} \end{array} = \bigcirc$$

Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

8	2	4
<input type="text"/>	<input type="text"/>	<input type="text"/>

One more than
3 is?

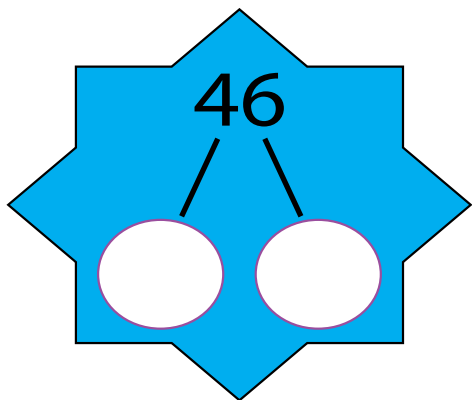
Double
4 is

$$6 + \square = 10$$

$$3 + 6 =$$

Half of 8 is...

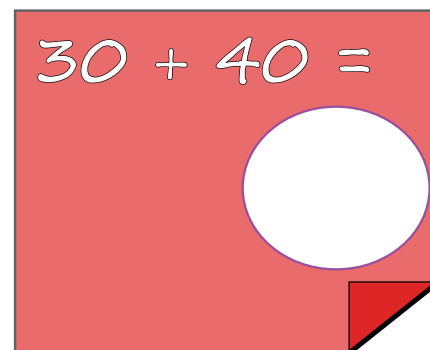
5 take away
3 is...



Write out the
fact family
for:

$$8 + 6 = 14$$

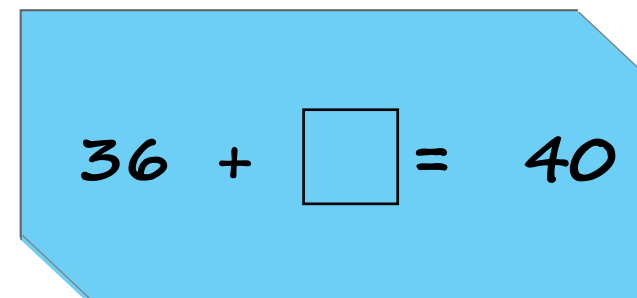
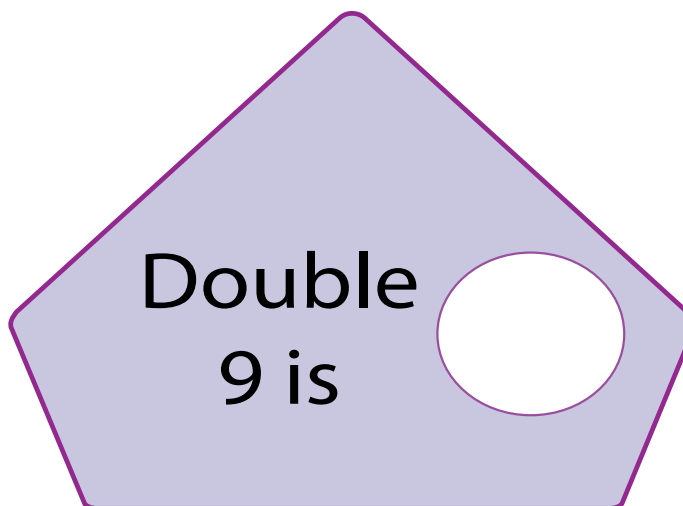
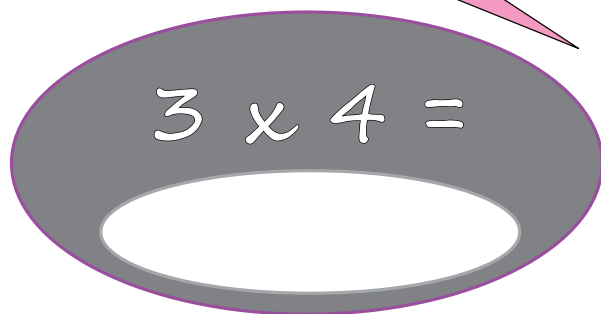
Name: _____

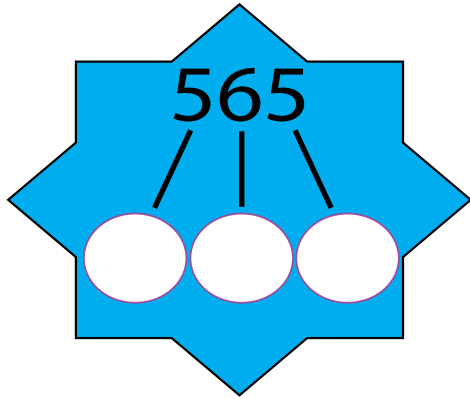


BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

46 71 19 8





Write out the
fact family
for:

$$13 + 68 = 81$$

Name: _____

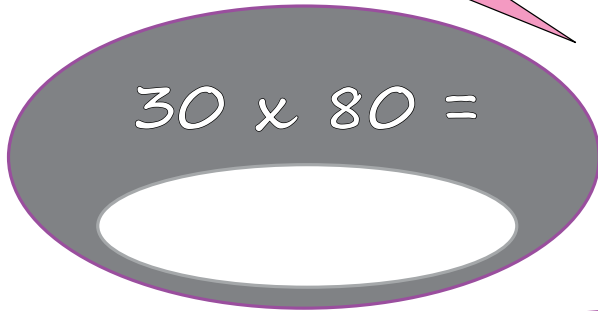
$$54 \times 10 =$$

$$320 \div 10 =$$

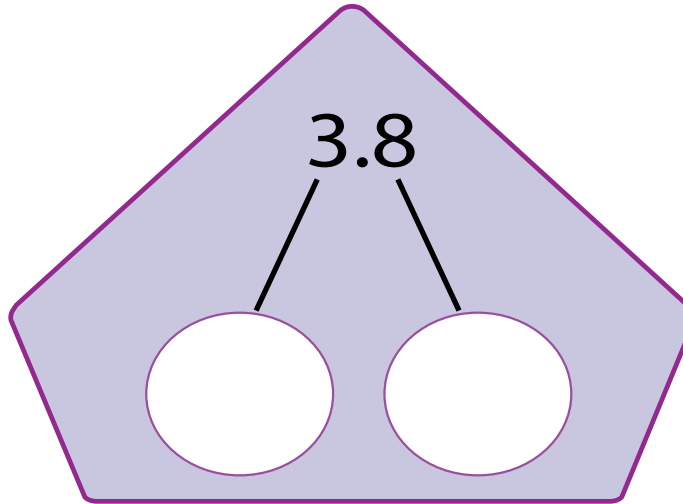
BIG MATHS BEAT THAT!

$$73 \div 5 =$$

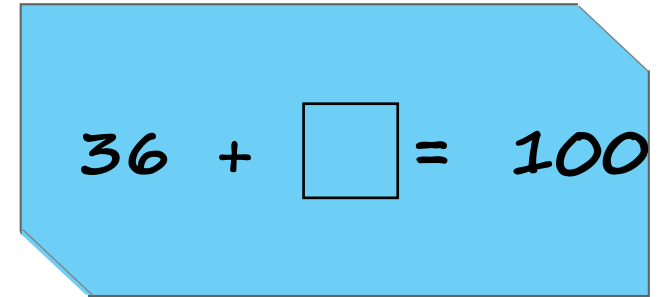
$$30 \times 80 =$$



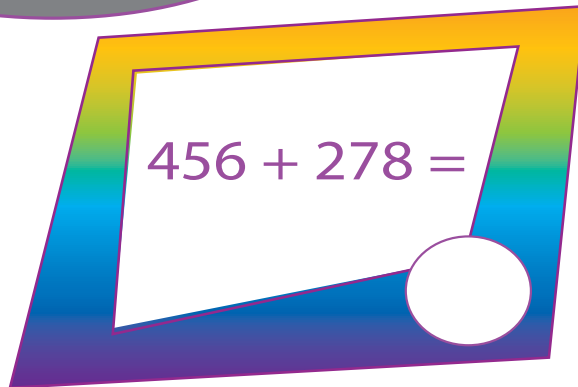
3.8



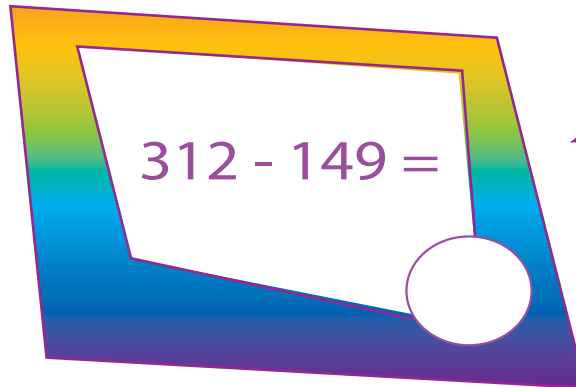
$$36 + \square = 100$$



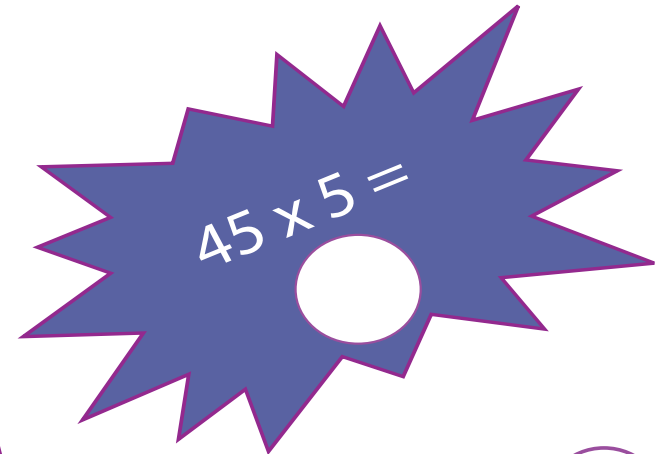
$$456 + 278 =$$

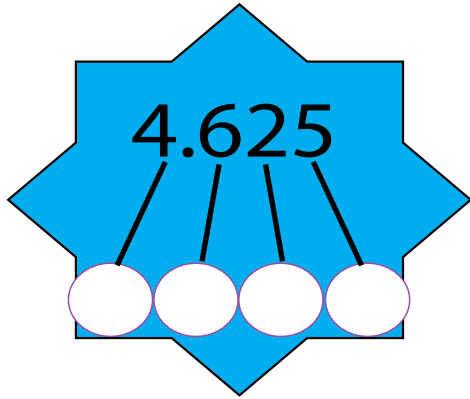


$$312 - 149 =$$



$$45 \times 5 =$$





$\frac{1}{4}$ = =

fraction decimal percentage

Name: _____

$28 \times 100 =$

$715 \div 10 =$

BIG MATHS BEAT THAT!

Write a
square number
between 10
and 30

$500 \div 7 =$

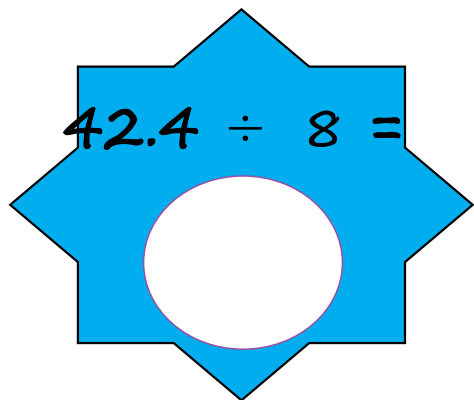
$35 \times 28 =$

$348 + \square = 1000$

$2.68 + 1.35 =$

$4.32 - 1.79 =$

$2.3 \times 4 =$



$\frac{2}{5}$	=		=	
fraction		decimal		percentage

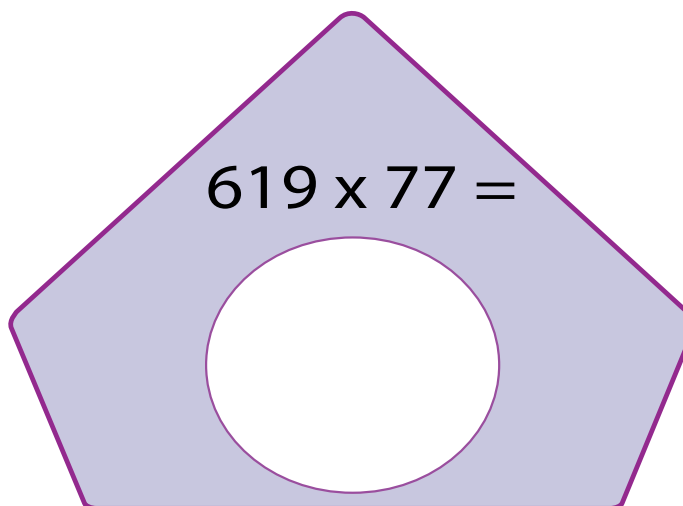
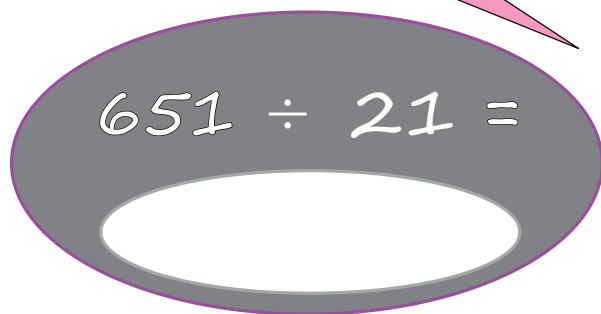
Name: _____

$3.07 \times 1000 =$	
$53.6 \div 1000 =$	

BIG MATHS BEAT THAT!

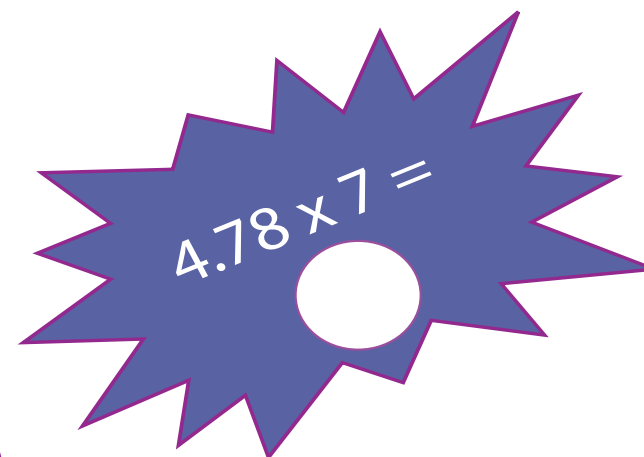
Write these numbers in order...

1.3	1.113
1.31	1.13

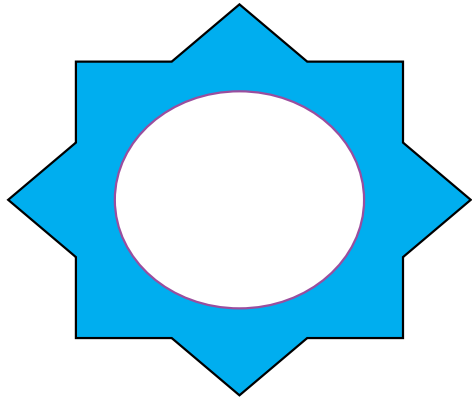


3.4	+		=	10
-------	---	--	---	------

$45.7 + 8.68 =$	$4.2 - 1.32 =$
-----------------	----------------

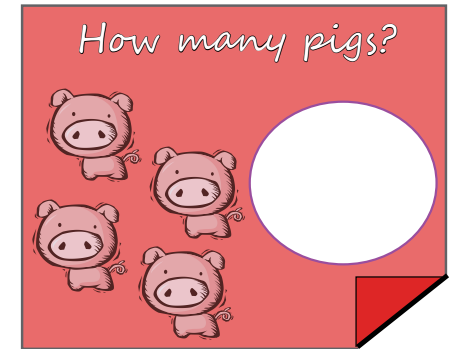


Week Two



$$\begin{array}{c} \text{candy cane} \quad \text{candy cane} \\ \text{candy cane} \end{array} + \begin{array}{c} \text{candy cane} \quad \text{candy cane} \\ \text{candy cane} \end{array} = \bigcirc$$

Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

5	2	3
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 less than 5
is?

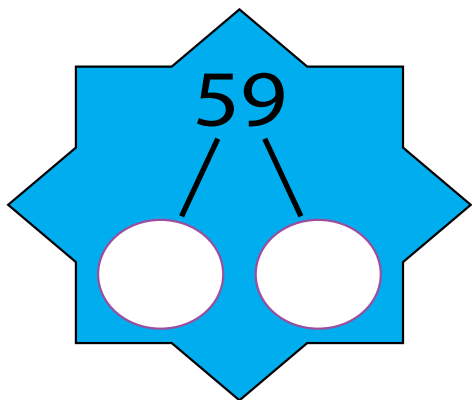
Double
2 is

$$3 + \square = 10$$

$$6 + 2 =$$

Half of 12 is...

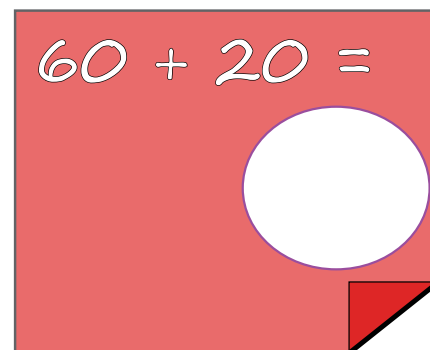
4 take away
3 is...



Write out the
fact family
for:

$3 + 8 = 11$

Name: _____

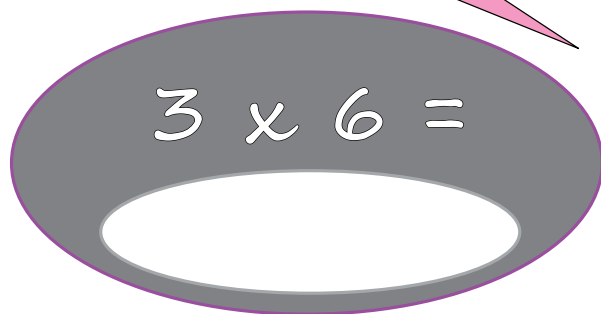


$60 + 20 =$

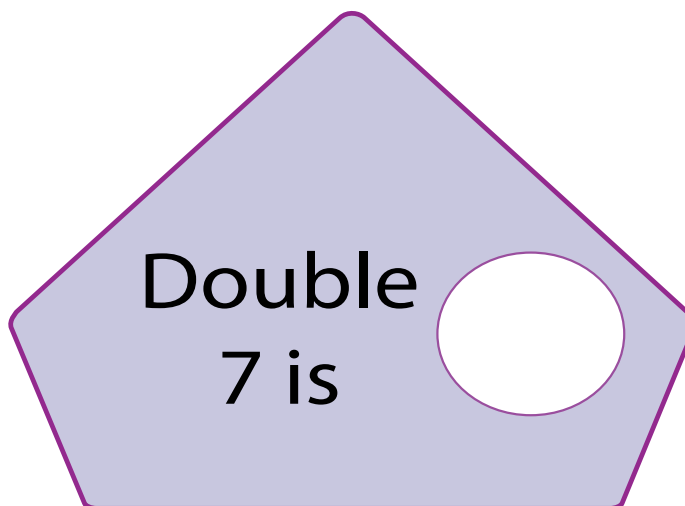
BIG MATHS BEAT THAT!

Draw a ring around
the **even** numbers

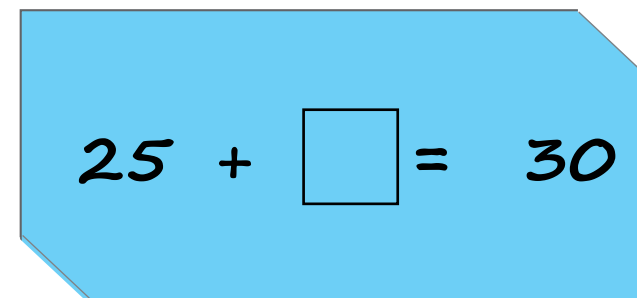
35 64 79 12



$3 \times 6 =$



Double
7 is



$25 + \square = 30$

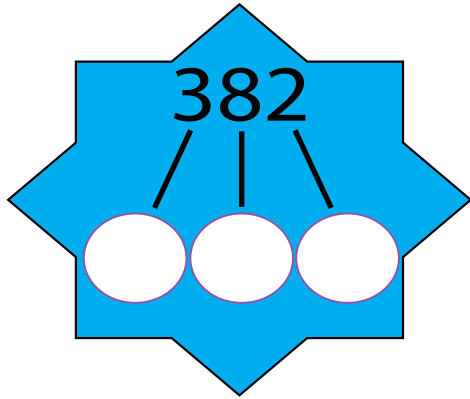


$45 + 6 =$

$56 - 8 =$



Half of 18 is...



Write out the
fact family
for:

$$63 \times 14 = 882$$

Name: _____

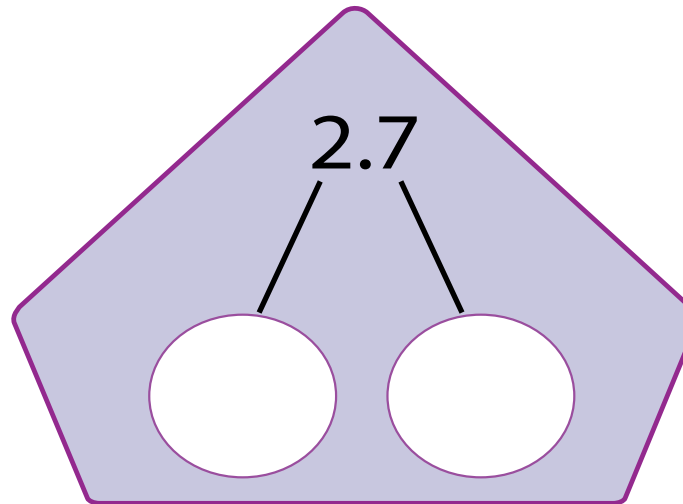
$$47 \times 10 =$$

$$450 \div 10 =$$

BIG MATHS BEAT THAT!

$$49 \div 3 =$$

$$50 \times 40 =$$

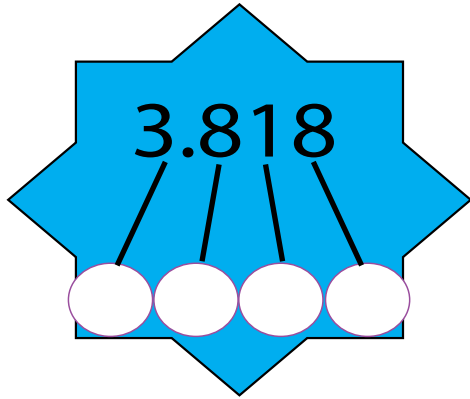


$$63 + \square = 100$$

$$34 \times 3 =$$

$$528 + 354 =$$

$$425 - 297 =$$



$$\frac{1}{2} = \text{ } = \text{ }$$

fraction decimal percentage

Name: _____

$$28 \times 100 = \text{ }$$
$$715 \div 10 = \text{ }$$

BIG MATHS BEAT THAT!

Write three factors
of 24...

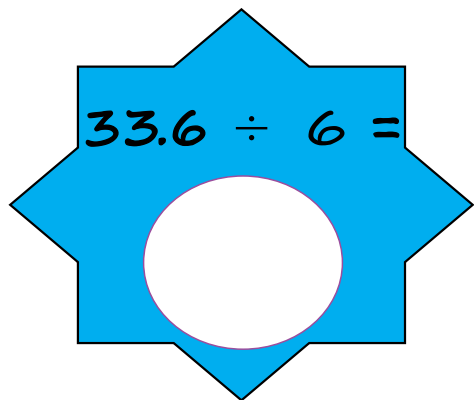
$$410 \div 6 = \text{ }$$

$$68 \times 19 = \text{ }$$

$$675 + \square = 1000$$

$$5.92 + 4.82 = \text{ }$$
$$2.44 - 1.55 = \text{ }$$

$$4.5 \times 7 = \text{ }$$



$\frac{4}{5}$	=		=	
fraction		decimal		percentage

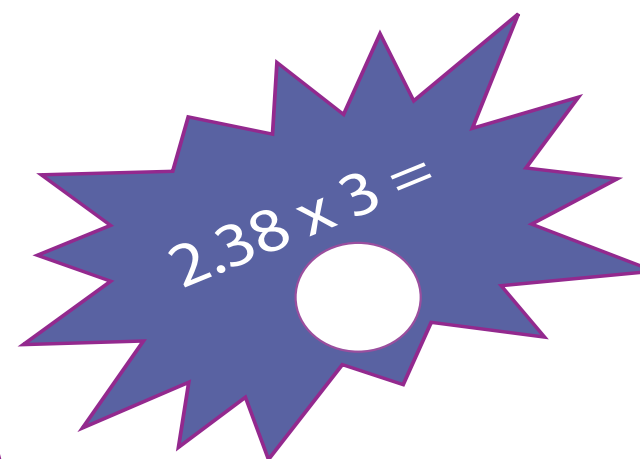
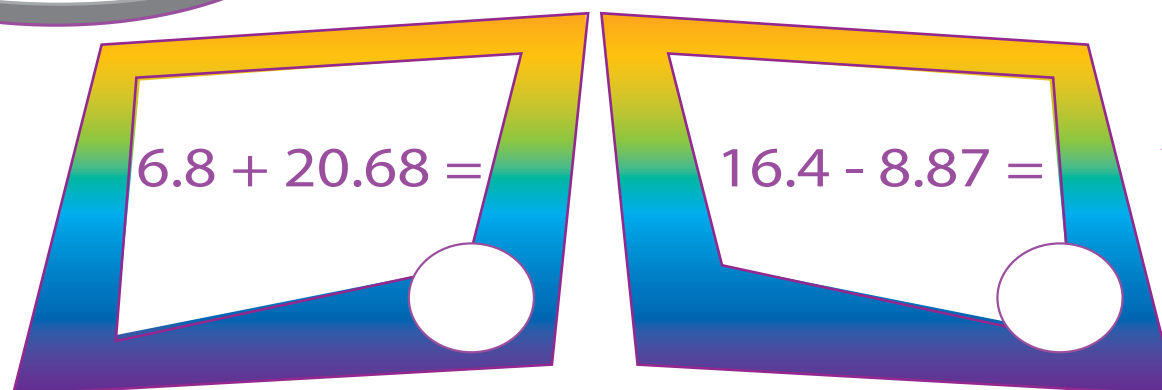
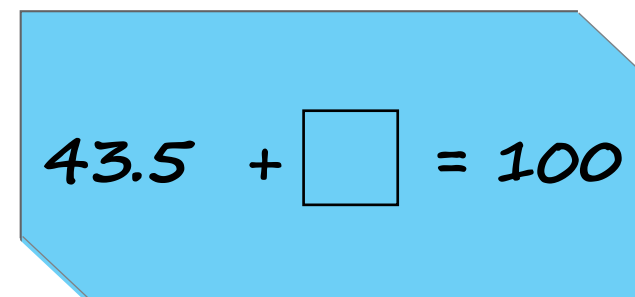
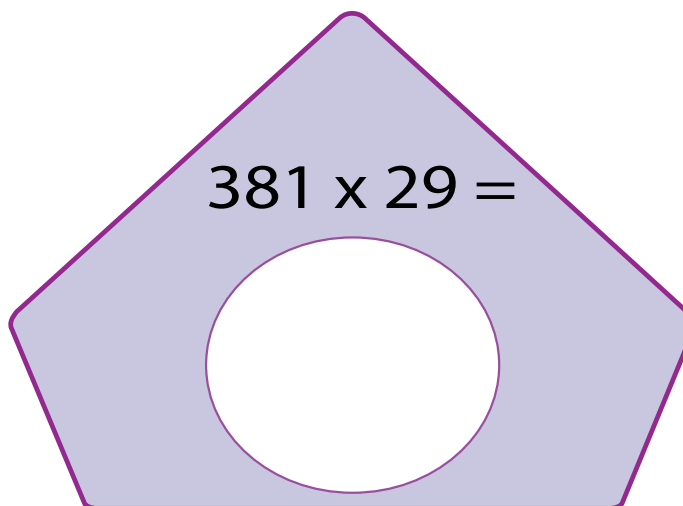
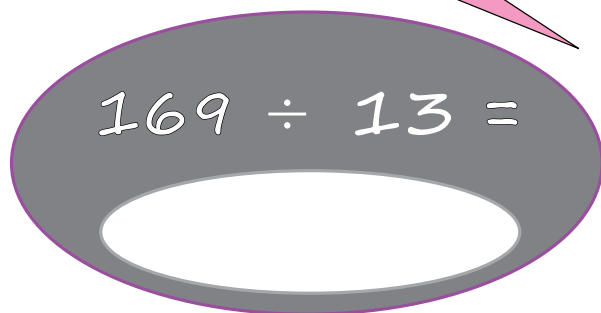
Name: _____

$5.32 \times 1000 =$	
$81.1 \div 1000 =$	

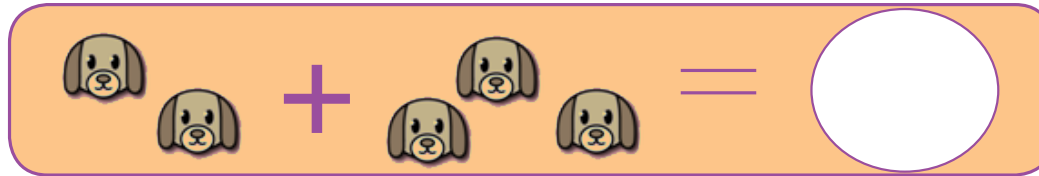
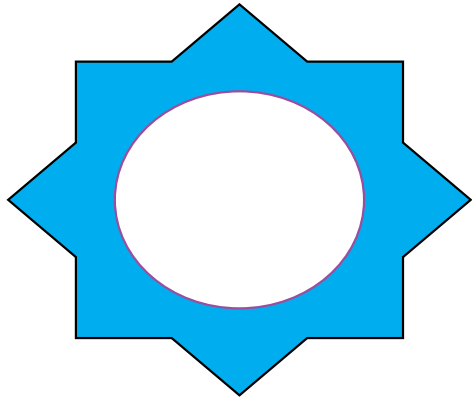
BIG MATHS BEAT THAT!

Write these numbers in order...

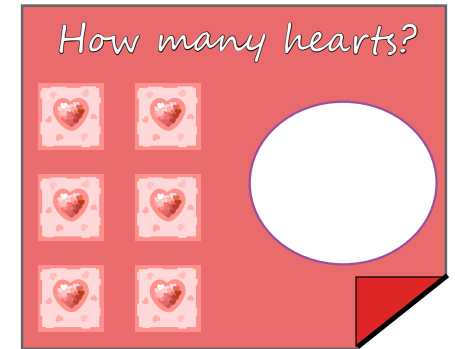
2.88	8.2
8.822	8.28



Week Three



Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

7	9	2
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 more than 4
is?

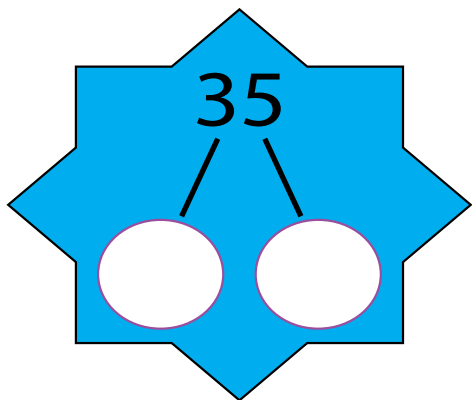
Double
5 is

$$7 + \square = 10$$

$$7 + 2 =$$

Half of 14 is...

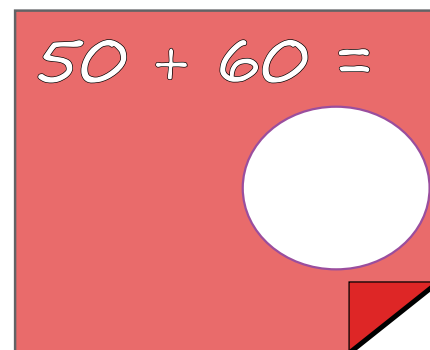
5 take away
1 is...



Write out the
fact family
for:

$$5 + 7 = 12$$

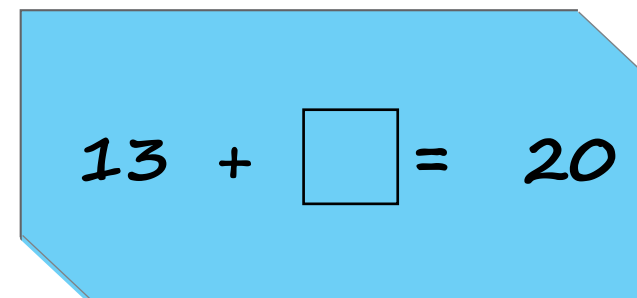
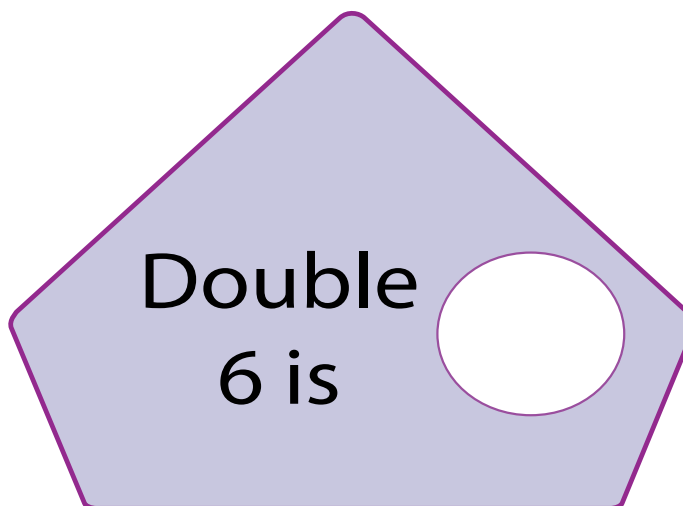
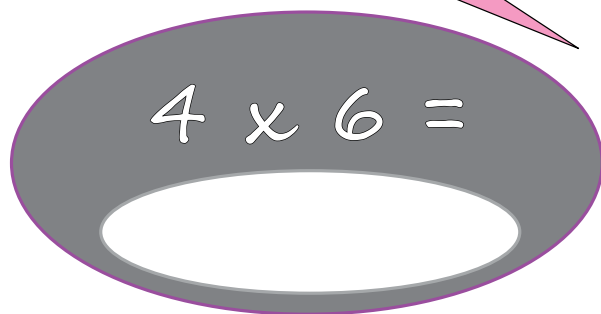
Name: _____

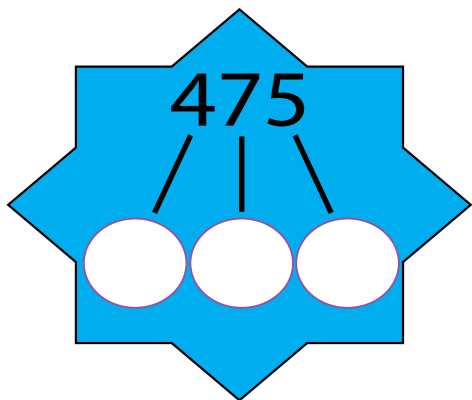


BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

10 81 7 92





Write out the
fact family
for:

$$67 + 24 = 91$$

Name: _____

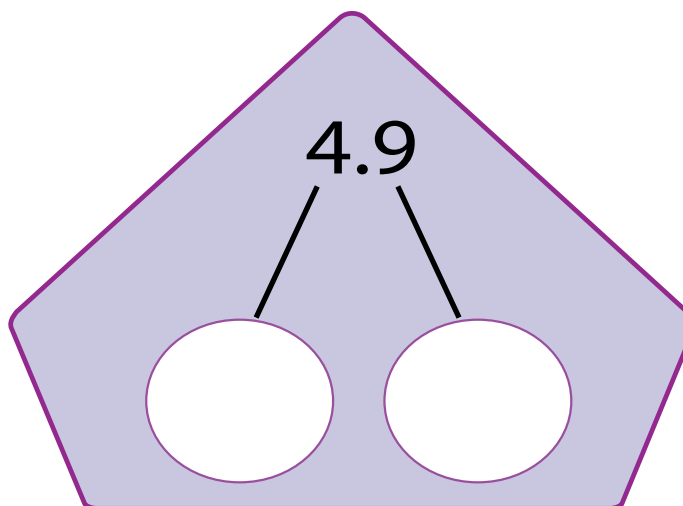
$$67 \times 10 =$$

$$730 \div 10 =$$

BIG MATHS BEAT THAT!

$$67 \div 4 =$$

$$70 \times 30 =$$

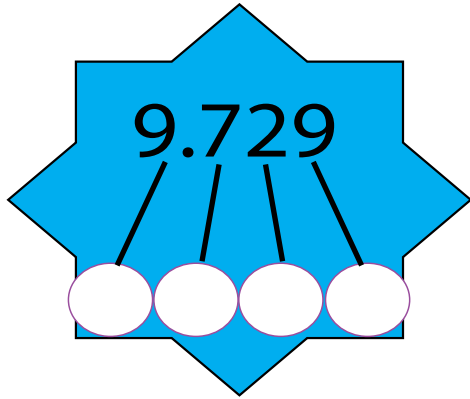


$$42 + \square = 100$$

$$627 + 283 =$$

$$571 - 189 =$$

$$56 \times 4 =$$



$$\frac{1}{10} = \bigcirc = \bigcirc$$

fraction decimal percentage

Name: _____

$$16 \times 100 = \bigcirc$$
$$462 \div 10 = \bigcirc$$

BIG MATHS BEAT THAT!

Write a
multiple of 8
between 20
and 35



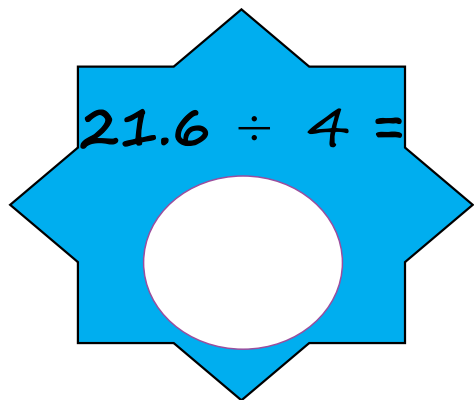
$$730 \div 8 = \bigcirc$$

$$52 \times 72 = \bigcirc$$

$$289 + \square = 1000$$

$$7.82 + 7.96 = \bigcirc$$
$$5.45 - 2.67 = \bigcirc$$

$$7.6 \times 3 = \bigcirc$$



$\frac{3}{10} = \text{ } = \text{ }$

fraction decimal percentage

Name: _____

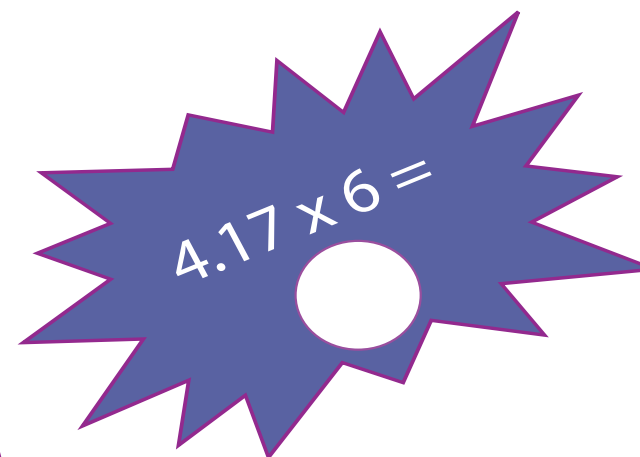
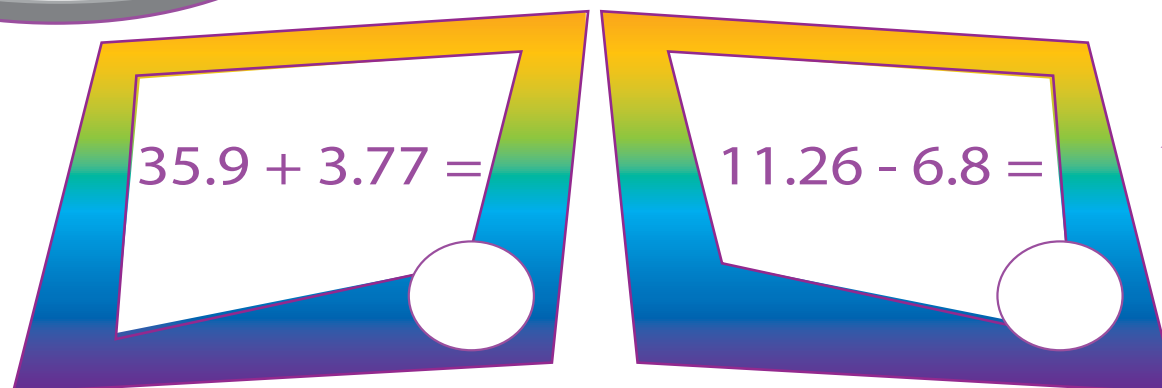
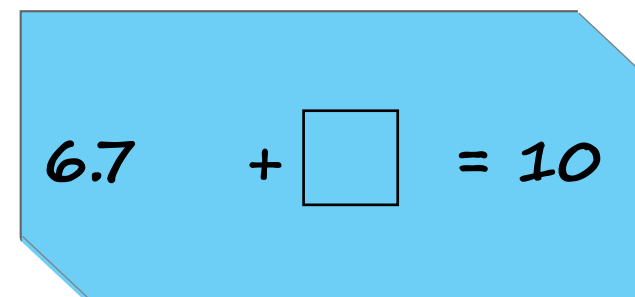
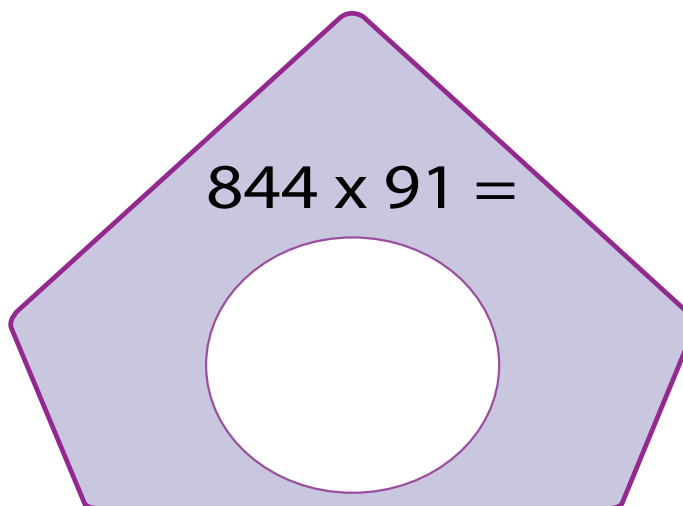
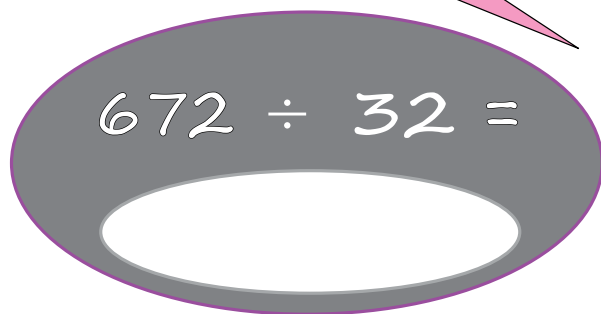
$7.31 \times 1000 =$

$7.6 \div 1000 =$

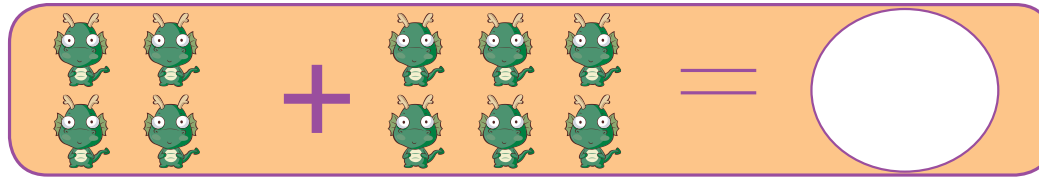
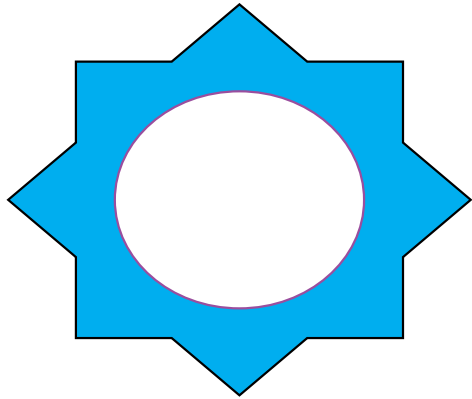
BIG MATHS BEAT THAT!

Write these numbers in order...

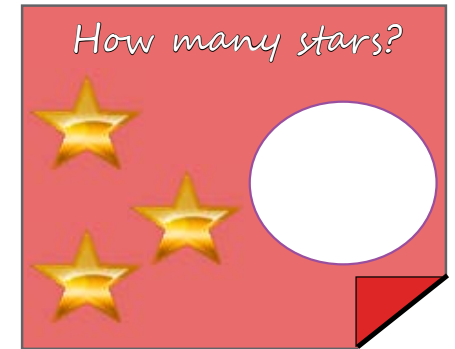
4.54 4.454
4.45 4.5



Week Four



Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

6	4	8
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 less than 7
is?

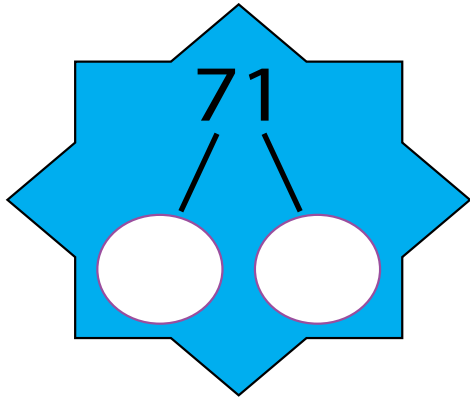
Double
5 is

$$2 + \square = 10$$

$$5 + 4 =$$

Half of 8 is...

9 take away
6 is...

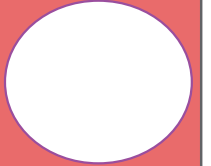


Write out the
fact family
for:

$7 + 8 = 15$

Name: _____

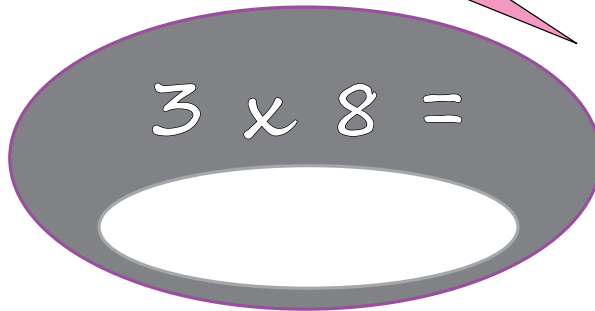
$70 + 40 =$



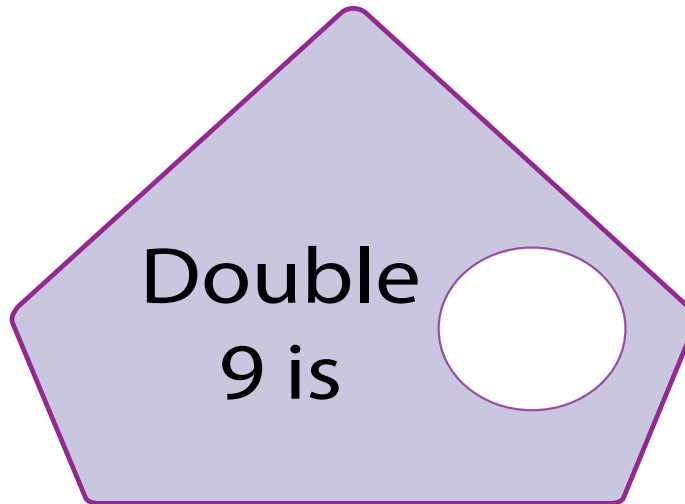
BIG MATHS BEAT THAT!

Draw a ring around
the **even** numbers

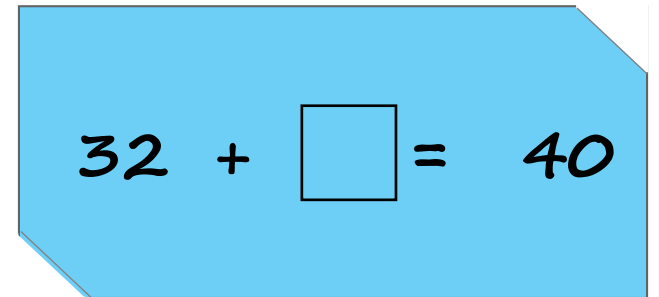
43 12 66 39



Double
9 is



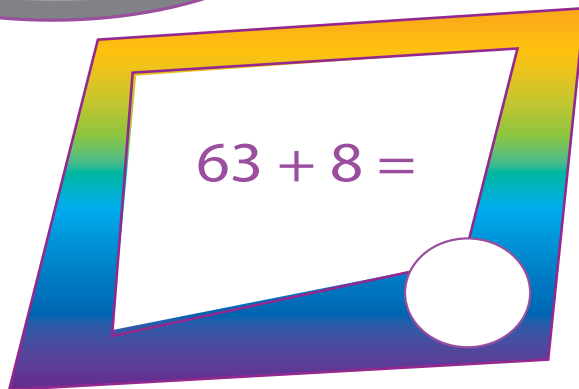
$32 + \square = 40$



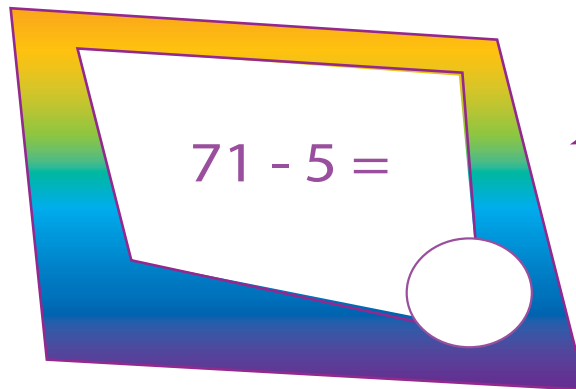
Half of 12 is...

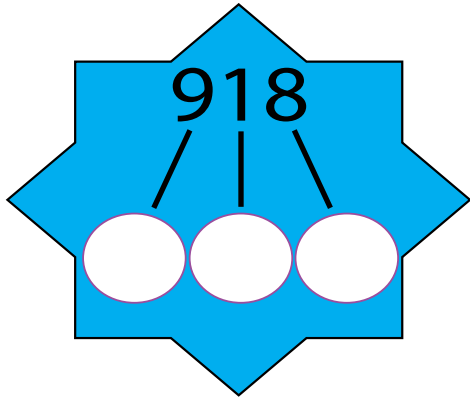


$63 + 8 =$



$71 - 5 =$





Write out the
fact family
for:

$$24 \times 17 = 408$$

Name: _____

$$29 \times 10 =$$

$$810 \div 10 =$$

BIG MATHS BEAT THAT!

$$81 \div 5 =$$

$$50 \times 60 =$$

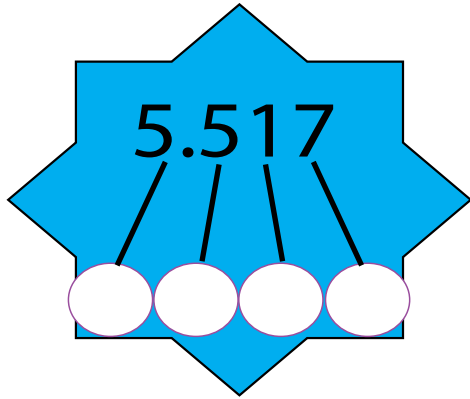
6.5

$$81 + \square = 100$$

$$93 \times 5 =$$

$$218 + 354 =$$

$$604 - 265 =$$



$$\frac{3}{4} = \bigcirc = \bigcirc$$

fraction decimal percentage

Name: _____

$$77 \times 100 = \bigcirc$$
$$371 \div 10 = \bigcirc$$

BIG MATHS BEAT THAT!

Write a square
number
between 80
and 110



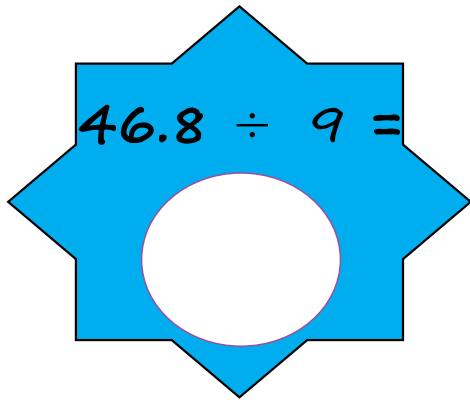
$$298 \div 9 = \bigcirc$$

$$68 \times 84 = \bigcirc$$

$$833 + \square = 1000$$

$$4.38 + 8.88 = \bigcirc$$
$$7.24 - 3.68 = \bigcirc$$

$$6.2 \times 8 = \bigcirc$$



= 0.6 =

fraction decimal percentage

Name: _____

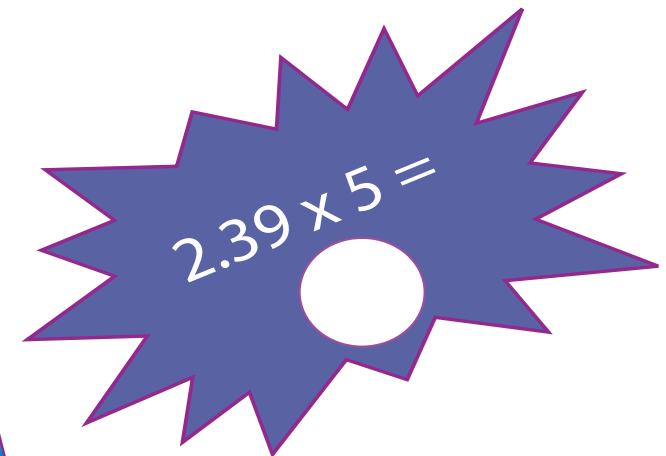
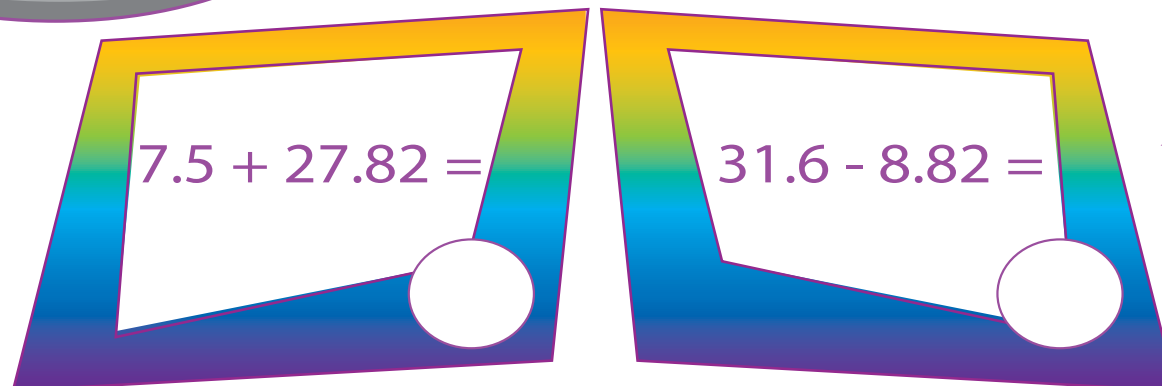
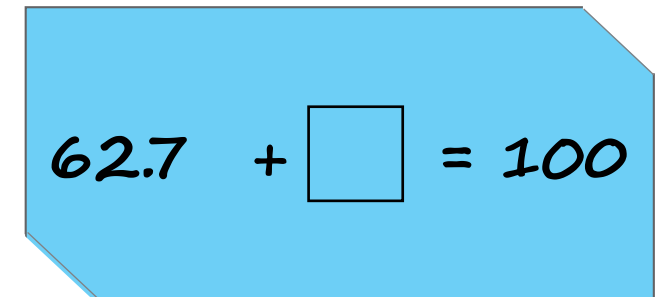
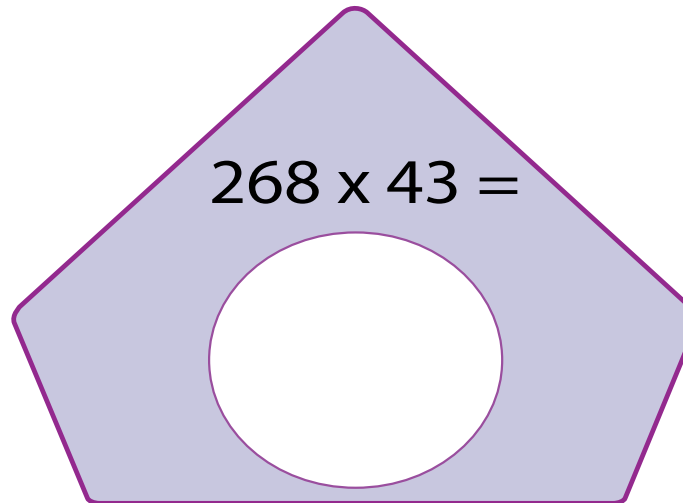
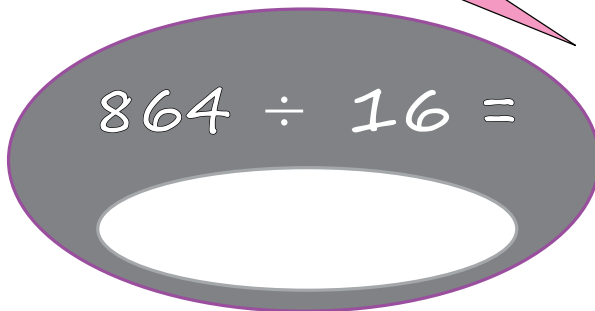
$7.33 \times 1000 =$

$71.2 \div 1000 =$

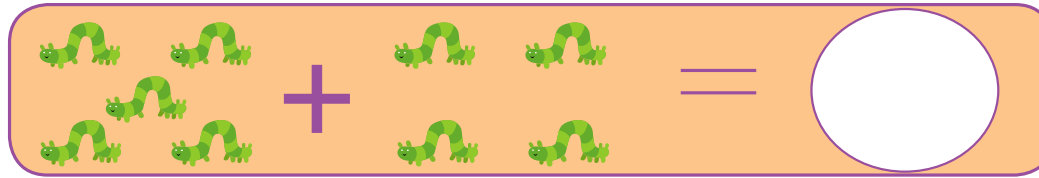
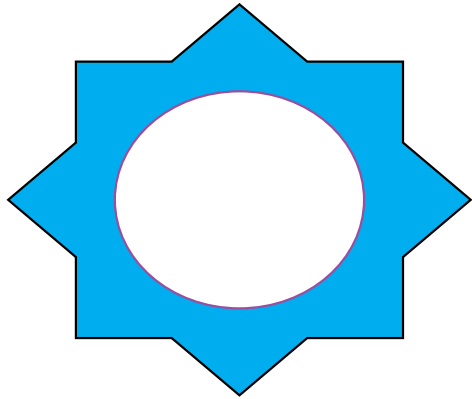
BIG MATHS BEAT THAT!

Write these numbers in order...

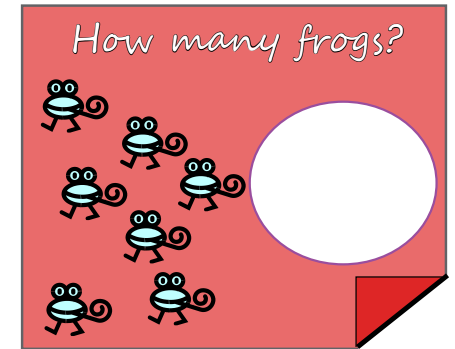
6.13 6.11
1.63 6.131



Week Five



Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

2	9	1
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 more than 7
is?

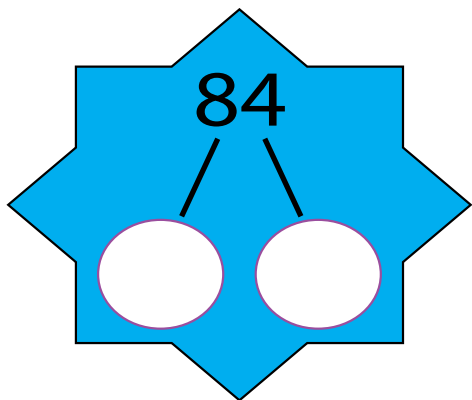
Double
1 is

$$4 + \square = 10$$

$$6 + 3 =$$

Half of 14 is...

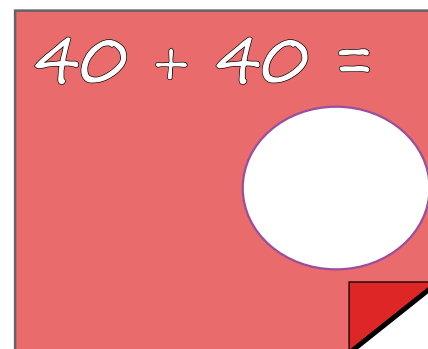
7 take away
4 is...



Write out the
fact family
for:

$8 + 9 = 17$

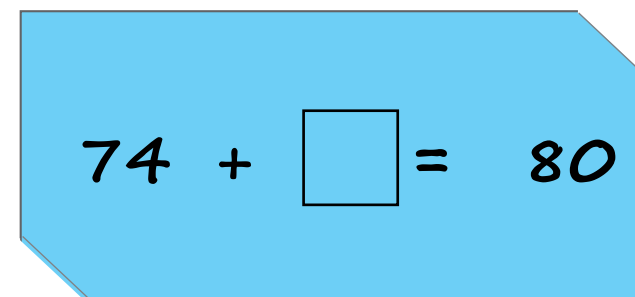
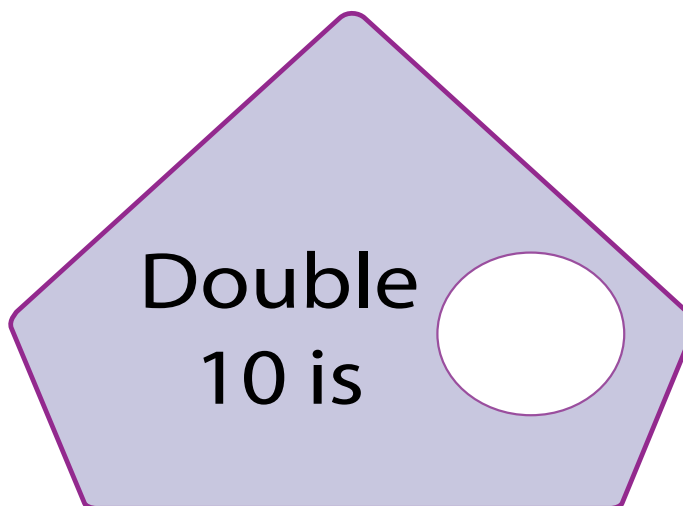
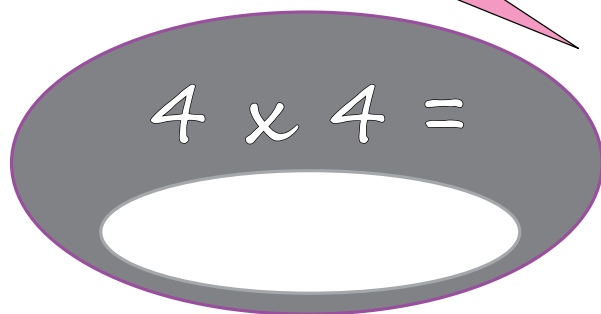
Name: _____

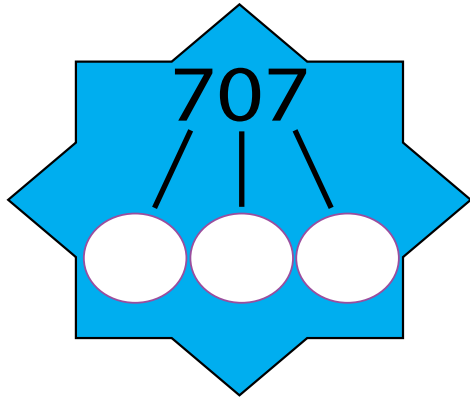


BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

97 45 68 5





Write out the
fact family
for:

$$43 + 29 = 72$$

Name: _____

$$87 \times 10 =$$

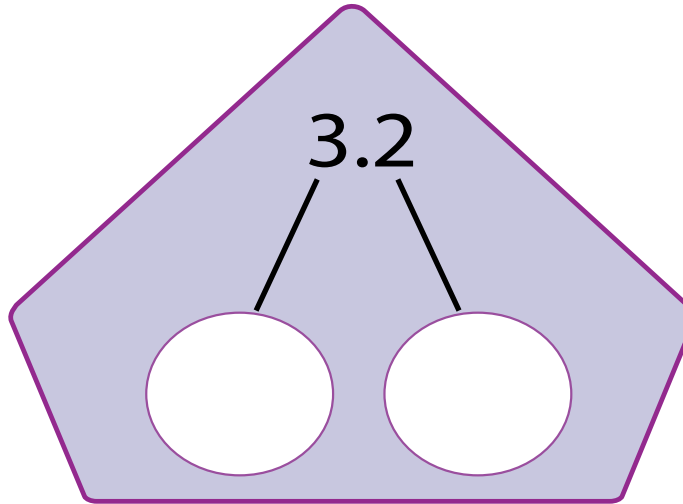
$$530 \div 10 =$$

BIG MATHS BEAT THAT!

$$55 \div 3 =$$

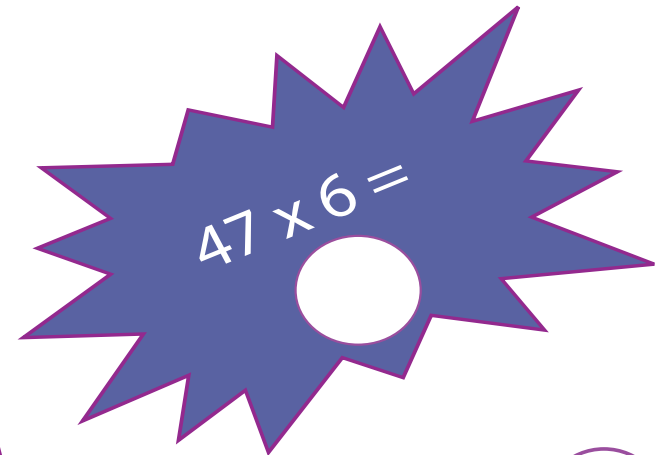
$$90 \times 20 =$$

3.2

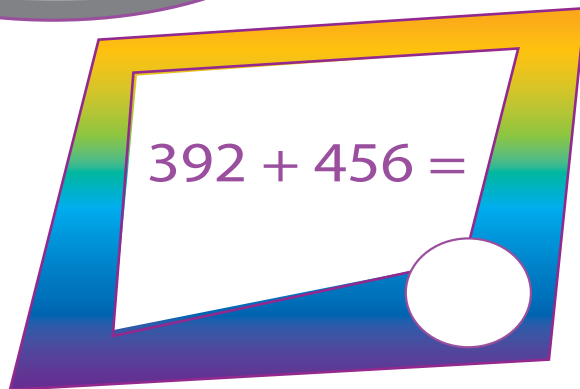


$$57 + \square = 100$$

$$47 \times 6 =$$

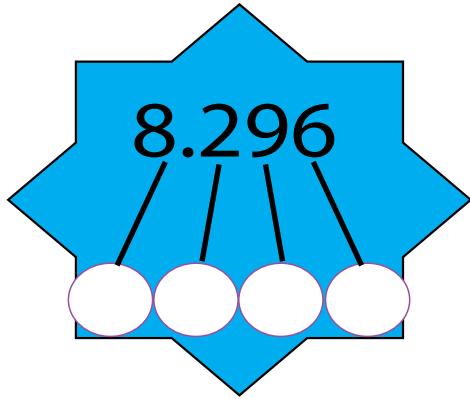


$$392 + 456 =$$



$$777 - 388 =$$





$$\frac{1}{4} = \bigcirc = \bigcirc$$

fraction decimal percentage

Name: _____

$$92 \times 100 = \bigcirc$$
$$823 \div 10 = \bigcirc$$

BIG MATHS BEAT THAT!

Write three
factors of 32...

\bigcirc \bigcirc \bigcirc

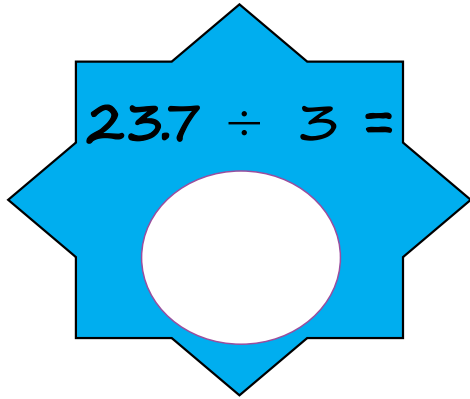
$$250 \div 3 = \bigcirc$$

$$71 \times 17 = \bigcirc$$

$$265 + \square = 1000$$

$$3.94 + 9.45 = \bigcirc$$
$$3.45 - 1.65 = \bigcirc$$

$$3.5 \times 5 = \bigcirc$$



$\frac{8}{10} = \text{ } = \text{ }$

fraction decimal percentage

Name: _____

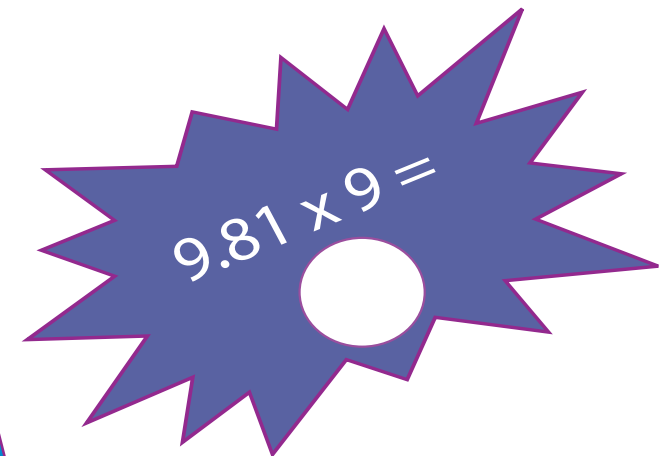
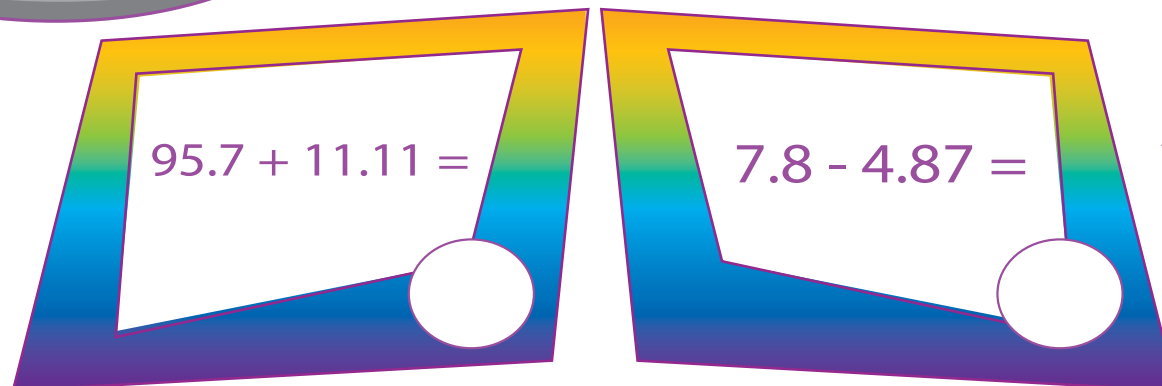
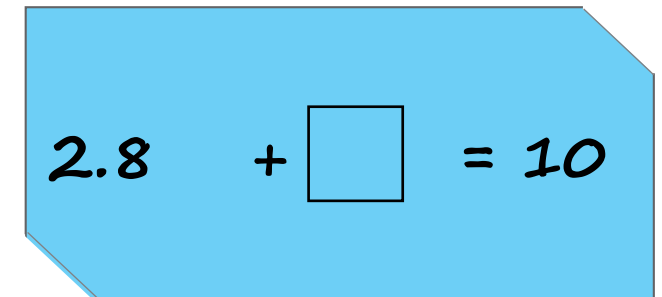
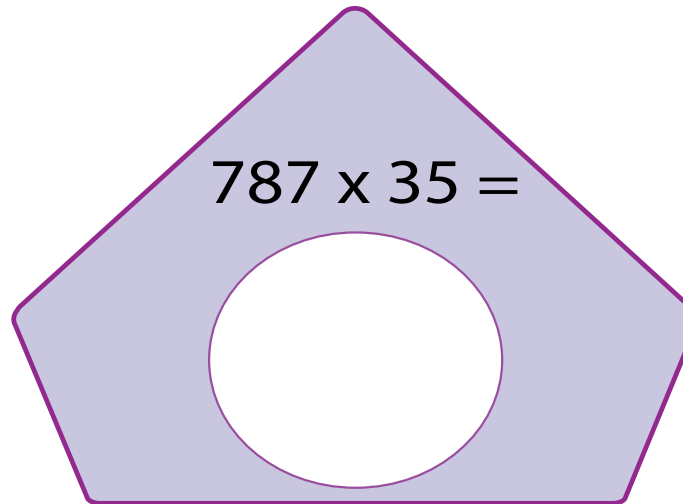
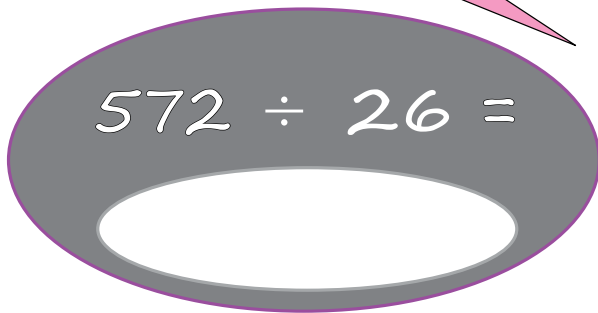
$8.12 \times 1000 =$

$40.1 \div 1000 =$

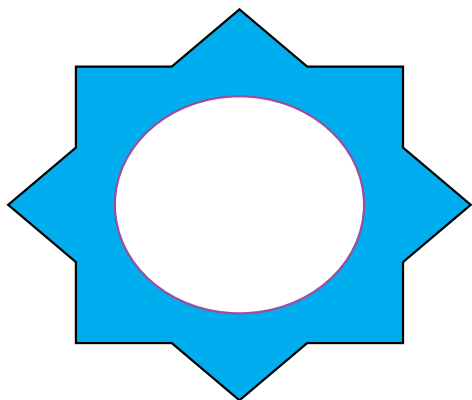
BIG MATHS BEAT THAT!

Write these numbers in order...

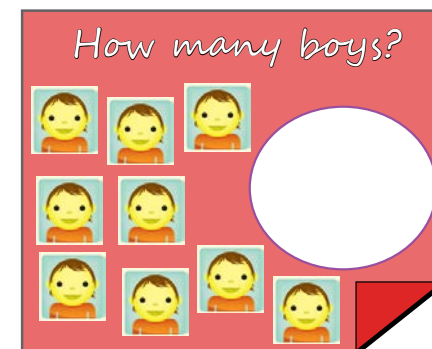
7.39 7.779
7.97 7.79



Week Six



Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

8	5	7
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 less than 8
is?

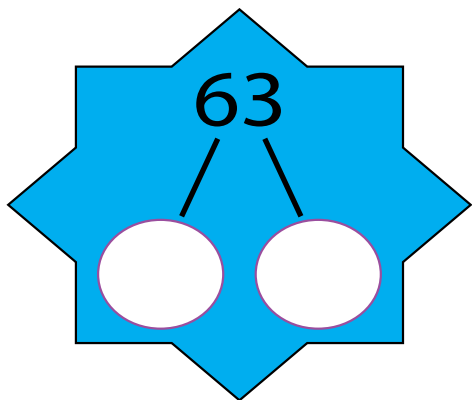
Double
4 is

$$1 + \square = 10$$

$$5 + 3 =$$

Half of 8 is...

9 take away
8 is...

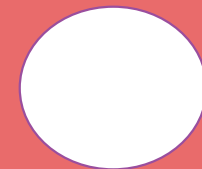


Write out the
fact family
for:

$$9 + 5 = 14$$

Name: _____

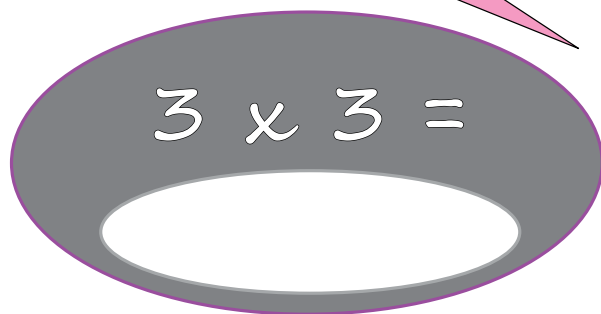
$$90 + 30 =$$



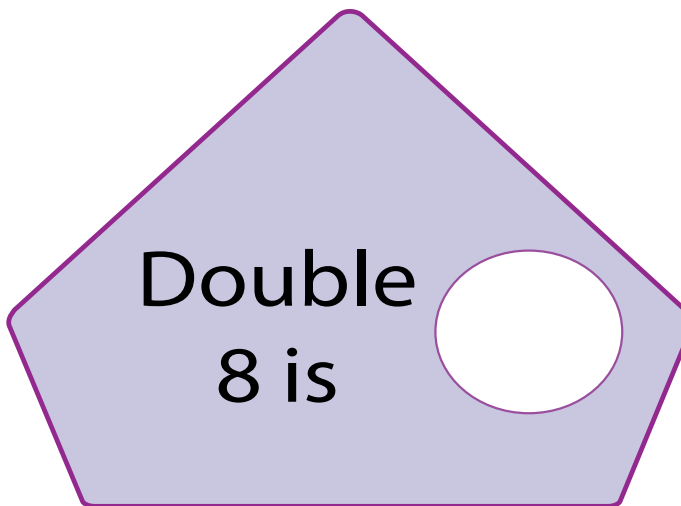
BIG MATHS BEAT THAT!

Draw a ring around
the **even** numbers

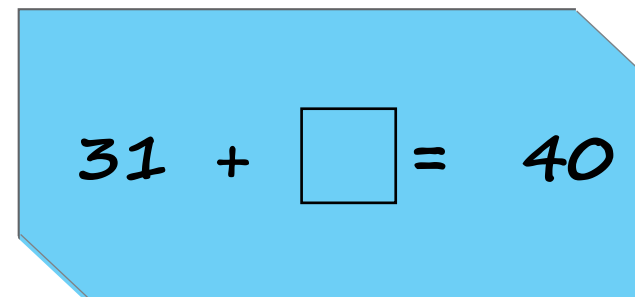
52 33 46 70



Double
8 is



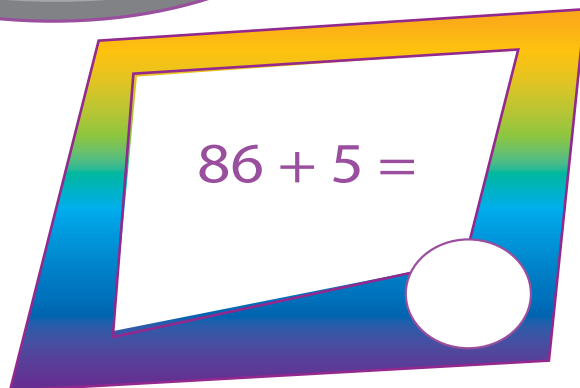
$$31 + \square = 40$$



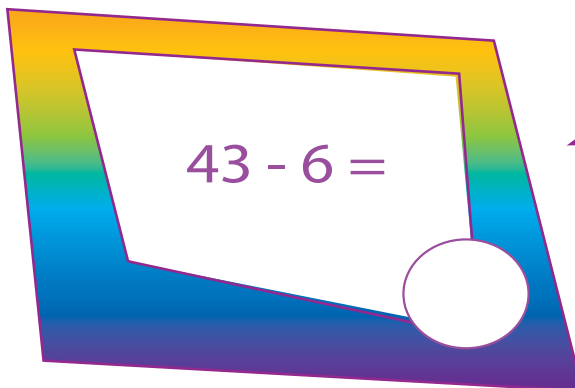
Half of 20 is...

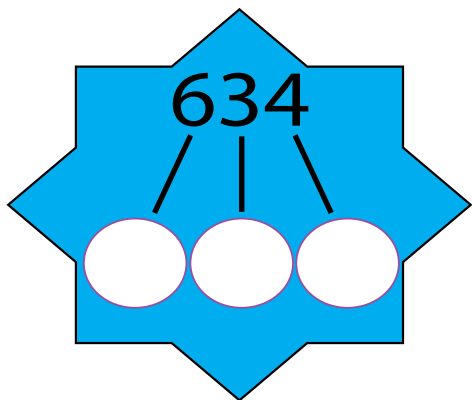


$$86 + 5 =$$



$$43 - 6 =$$





Write out the
fact family
for:

$13 \times 15 = 195$

Name: _____

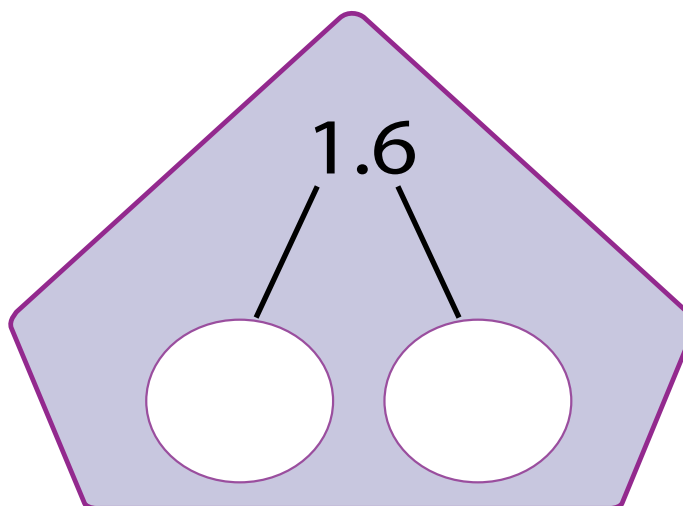
$59 \times 10 =$

$920 \div 10 =$

BIG MATHS BEAT THAT!

$51 \div 4 =$

$30 \times 70 =$

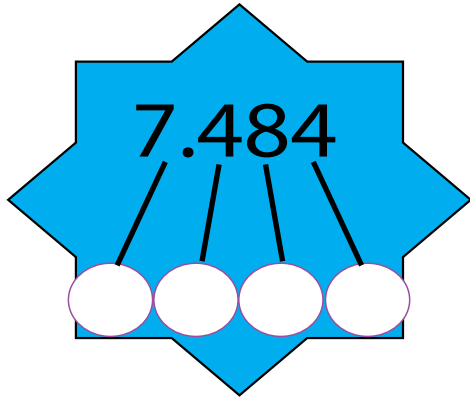


$36 + \square = 100$

$483 + 427 =$

$834 - 457 =$

$85 \times 4 =$



$$\frac{1}{2} = \bigcirc = \bigcirc$$

fraction decimal percentage

Name: _____

$$29 \times 100 = \bigcirc$$

$$343 \div 10 = \bigcirc$$

BIG MATHS BEAT THAT!

Write a multiple
of 6 between 40
and 55



$$488 \div 5 =$$

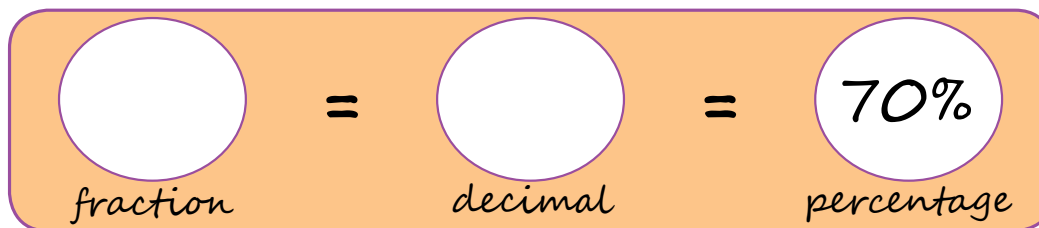
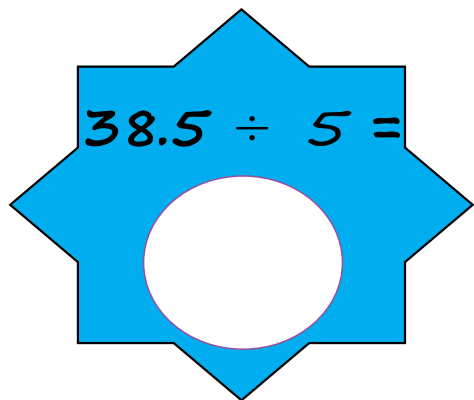
$$89 \times 33 =$$

$$478 + \square = 1000$$

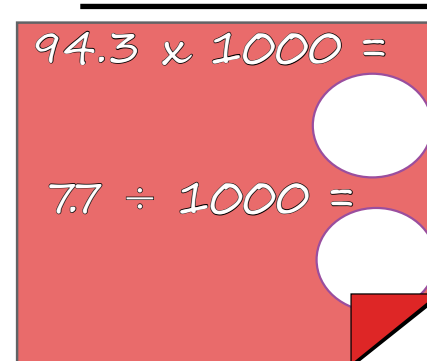
$$6.68 + 4.49 =$$

$$5.23 - 2.97 =$$

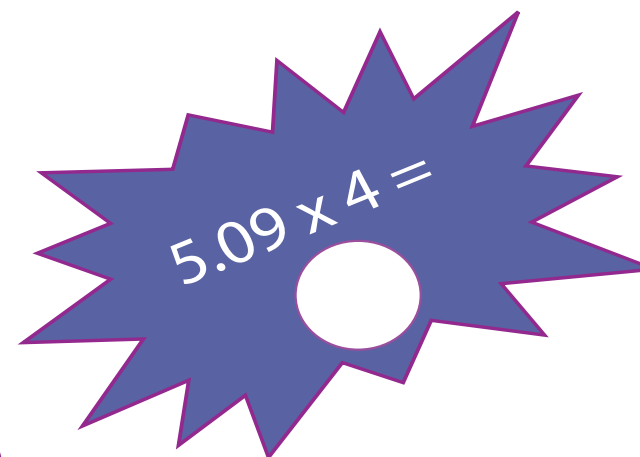
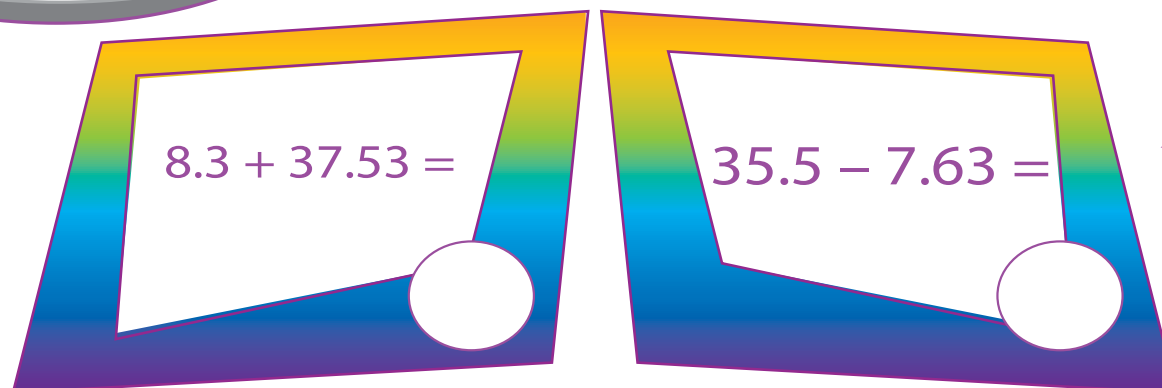
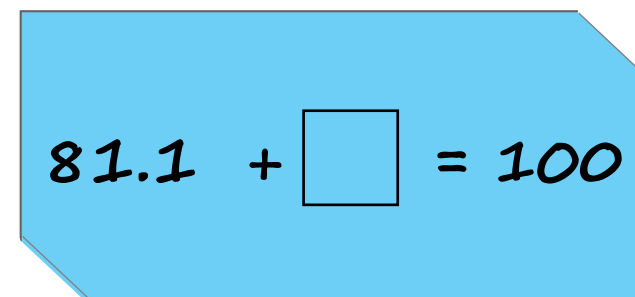
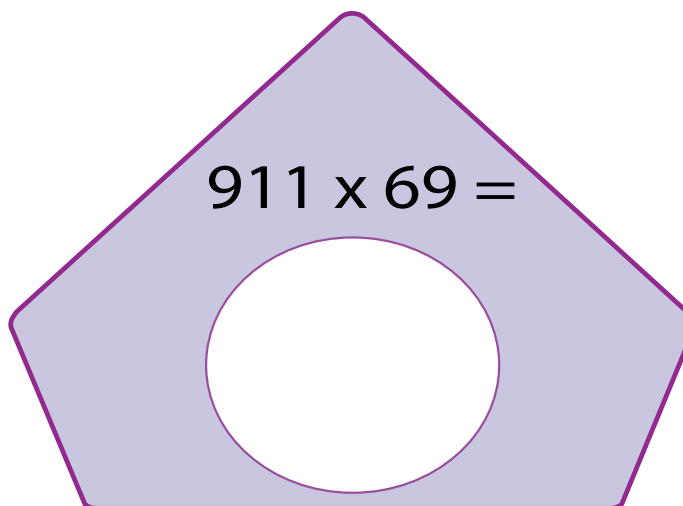
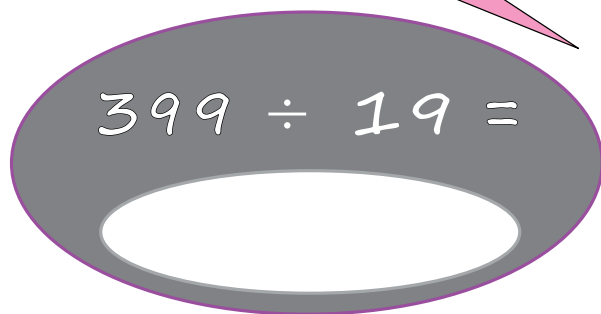
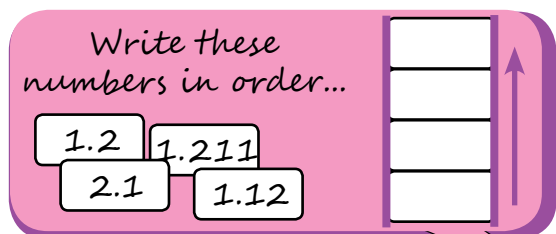
$$7.7 \times 3 =$$



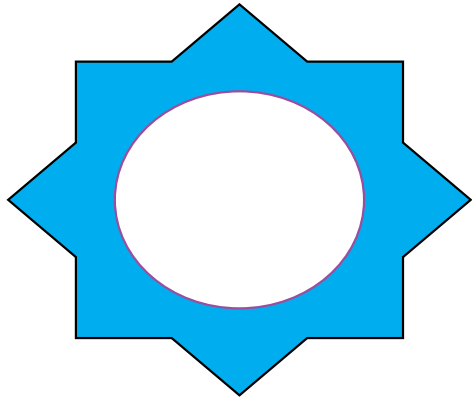
Name: _____



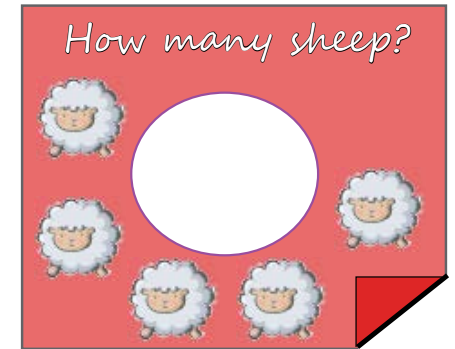
BIG MATHS BEAT THAT!



Week Seven



Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

4	3	5
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 more than 6
is?

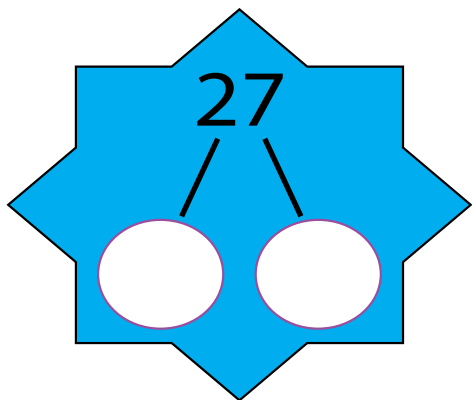
Double
2 is

$$5 + \square = 10$$

$$2 + 5 =$$

Half of 12 is...

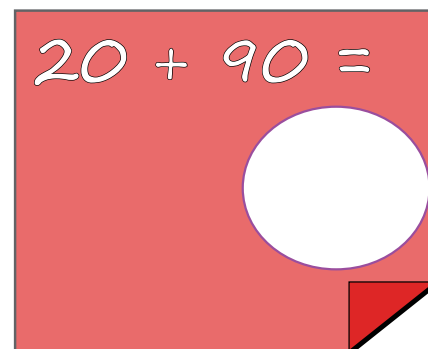
8 take away
3 is...



Write out the
fact family
for:

$$6 + 9 = 15$$

Name: _____

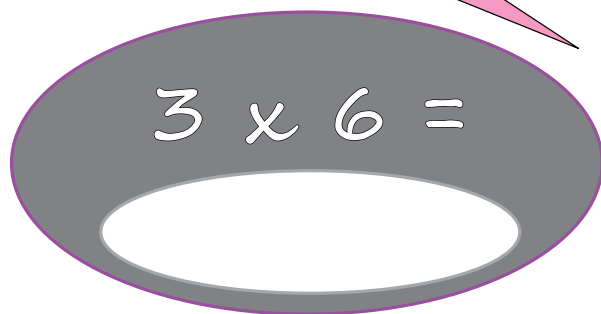


$$20 + 90 =$$

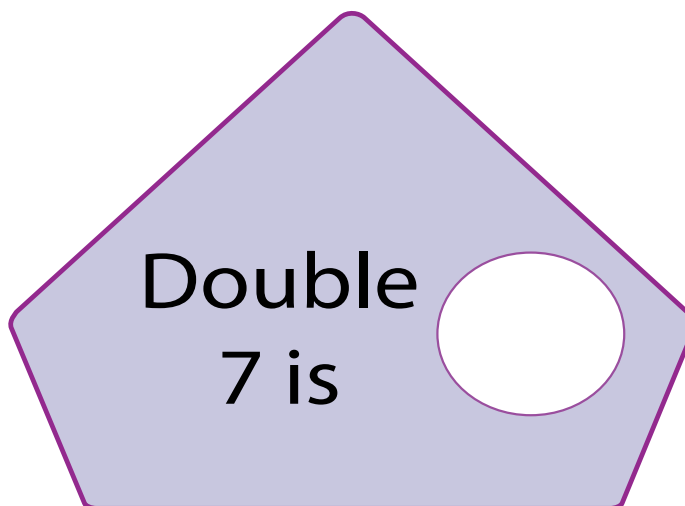
BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

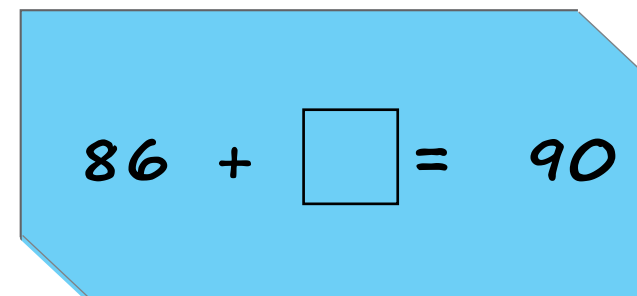
71 28 6 49



$$3 \times 6 =$$



Double
7 is



$$86 + \square = 90$$

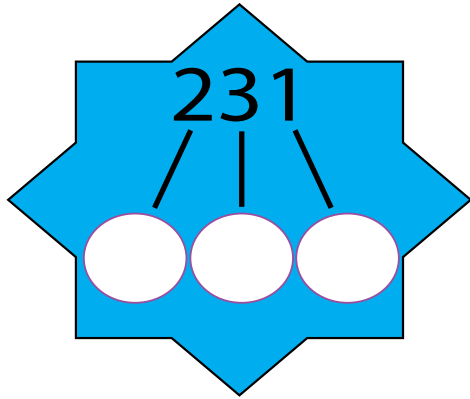


$$59 + 3 =$$

$$64 - 7 =$$



Half of 18 is...



Write out the
fact family
for:

$$37 + 47 = 84$$

BIG MATHS BEAT THAT!

Name: _____

$$95 \times 10 =$$

$$740 \div 10 =$$

$$96 \div 5 =$$

$$30 \times 90 =$$

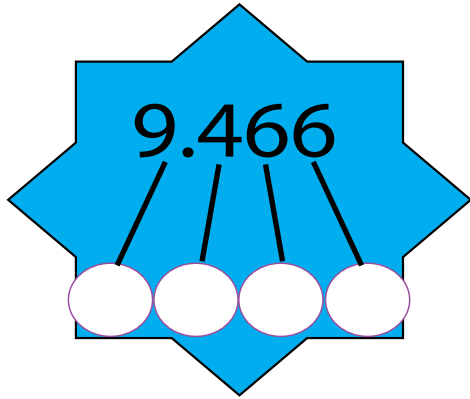
6.7

$$17 + \square = 100$$

$$577 + 324 =$$

$$764 - 585 =$$

$$48 \times 7 =$$



$$\frac{1}{10} = \bigcirc = \bigcirc$$

fraction decimal percentage

Name: _____

$$71 \times 100 = \bigcirc$$
$$288 \div 10 = \bigcirc$$

BIG MATHS BEAT THAT!

Write a square
number between
20 and 50



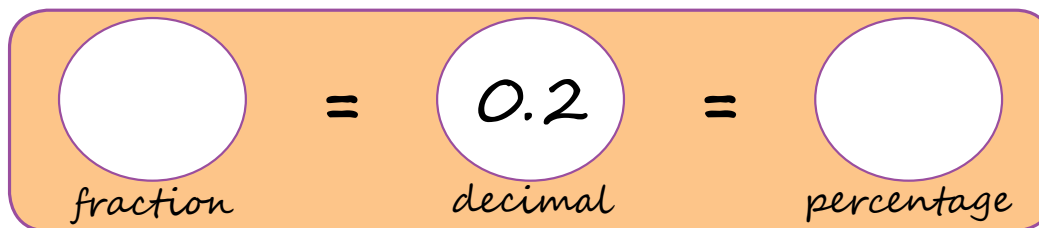
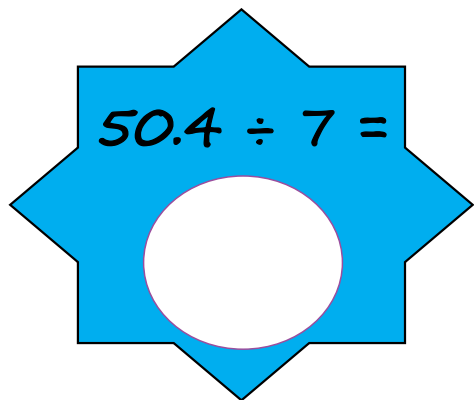
$$331 \div 4 = \bigcirc$$

$$74 \times 54 = \bigcirc$$

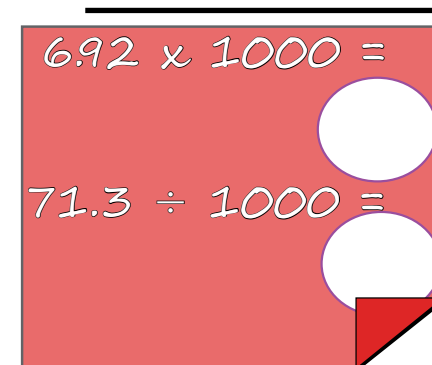
$$563 + \square = 1000$$

$$7.43 + 9.08 = \bigcirc$$
$$3.26 - 2.43 = \bigcirc$$

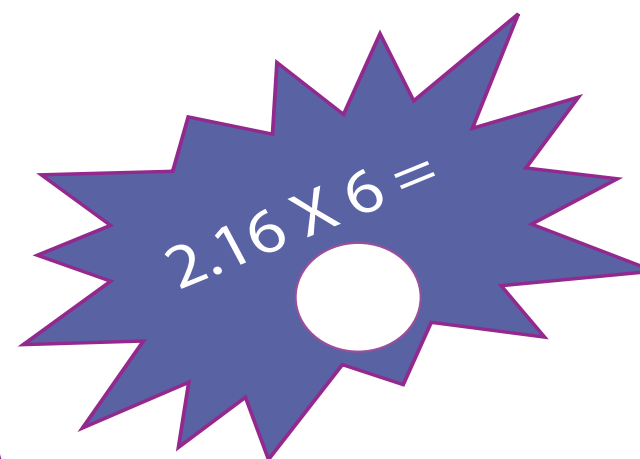
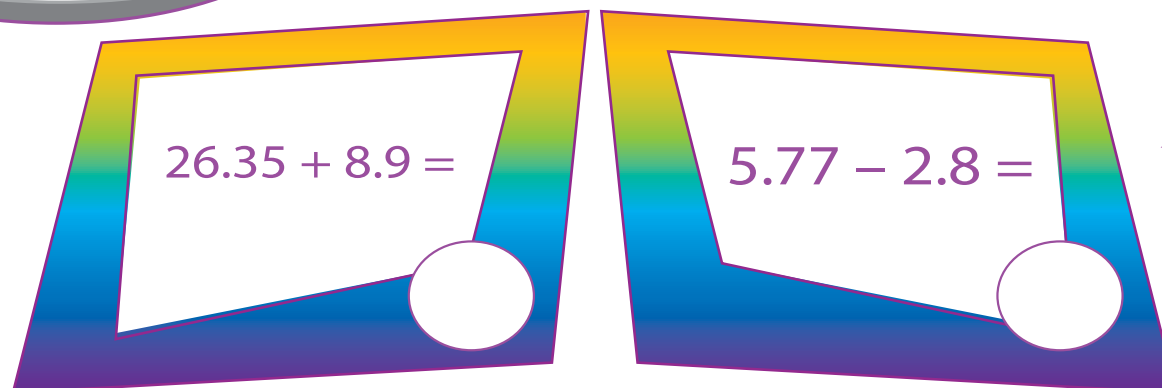
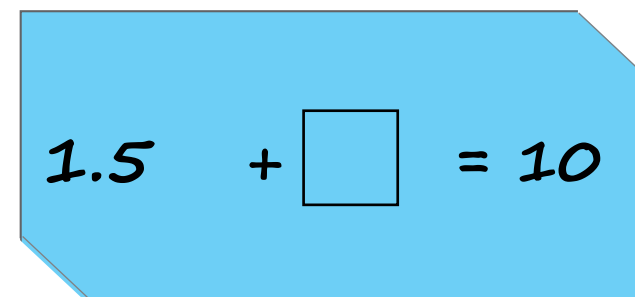
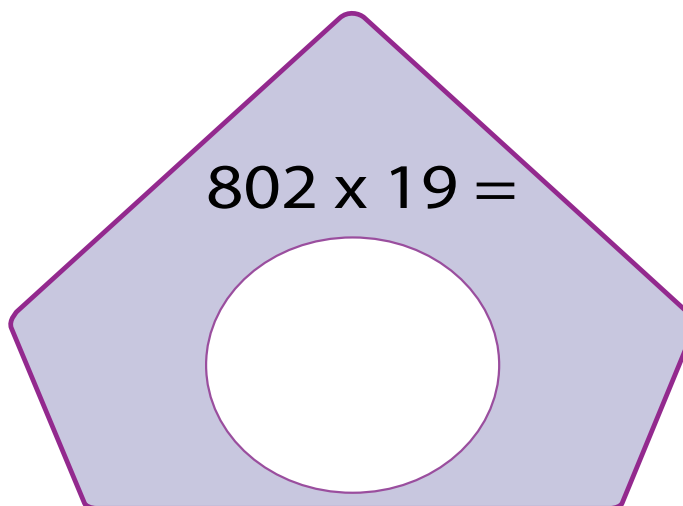
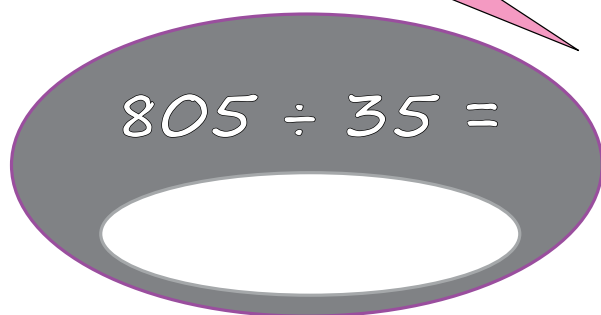
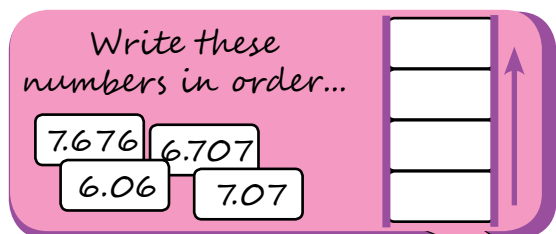
$$5.9 \times 9 = \bigcirc$$



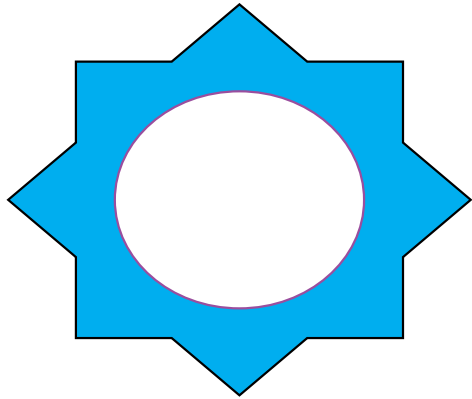
Name: _____



BIG MATHS BEAT THAT!

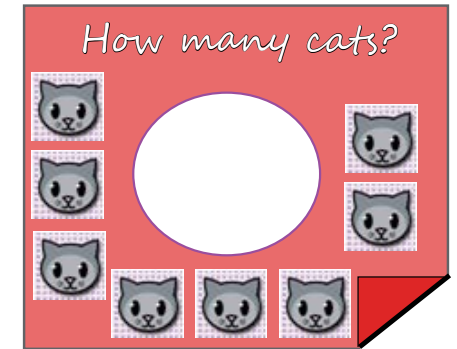


Week Eight



$$\begin{array}{cc} \text{mouse} & \text{mouse} \\ \text{mouse} & \text{mouse} \end{array} + \begin{array}{cc} \text{mouse} & \text{mouse} \\ \text{mouse} & \text{mouse} \end{array} = \bigcirc$$

Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

7	1	6
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 less than 6
is?

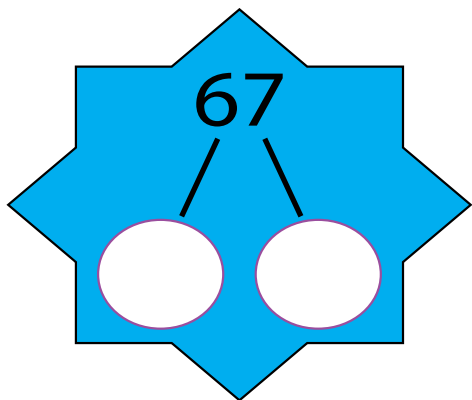
Double
5 is

$$8 + \square = 10$$

$$4 + 5 =$$

Half of 8 is...

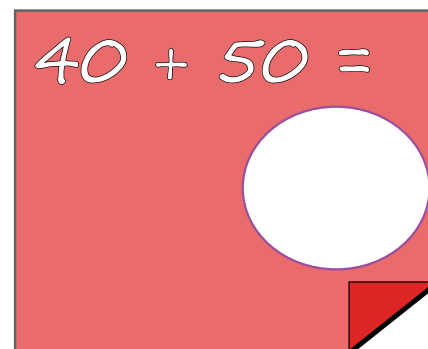
10 take away
3 is...



Write out the
fact family
for:

$$4 + 7 = 11$$

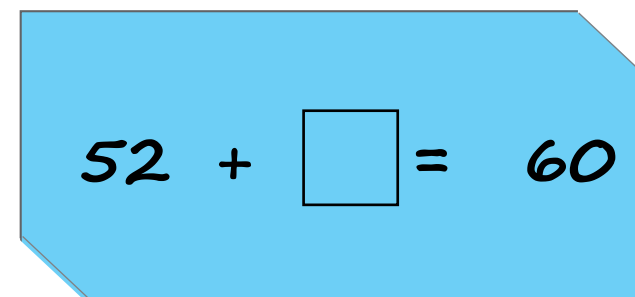
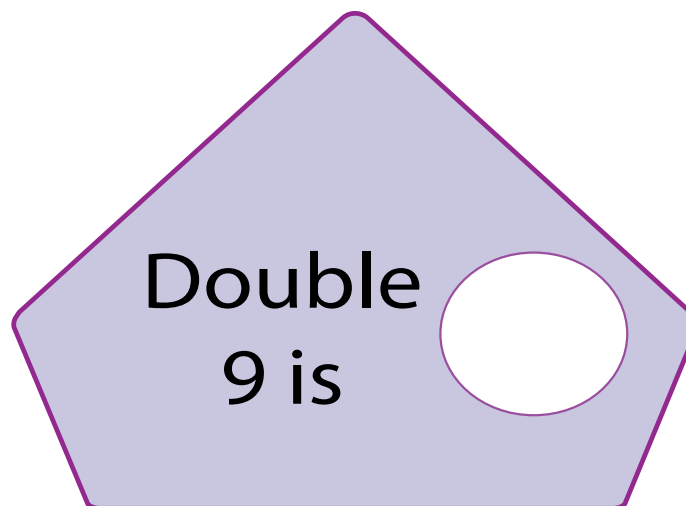
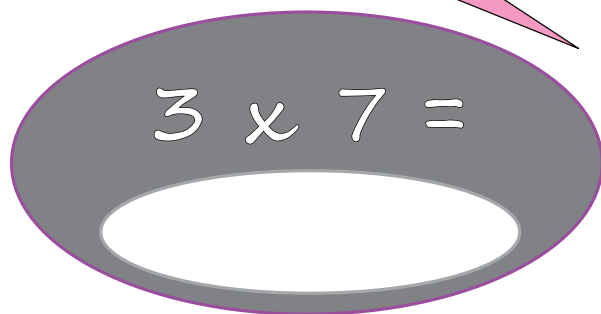
Name: _____

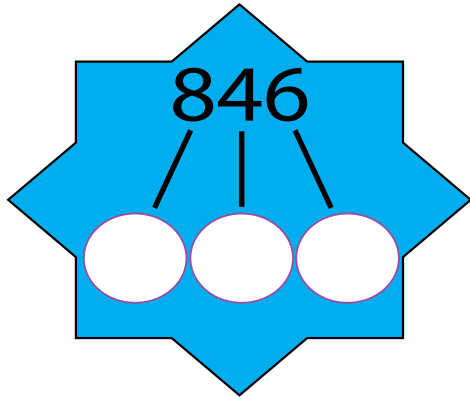


BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

16 73 99 60





Write out the
fact family
for:

$38 \times 11 = 418$

BIG MATHS BEAT THAT!

Name: _____

$73 \times 10 =$

$940 \div 10 =$

$59 \div 3 =$

$70 \times 50 =$

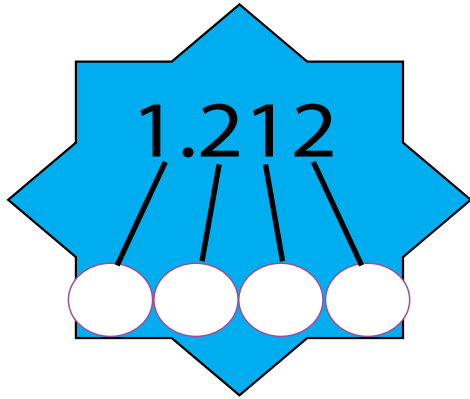
9.4

$43 + \square = 100$

$381 + 532 =$

$609 - 277 =$

$69 \times 4 =$



$$\frac{3}{4} = \bigcirc = \bigcirc$$

fraction decimal percentage

Name: _____

$$67 \times 100 = \bigcirc$$
$$636 \div 10 = \bigcirc$$

BIG MATHS BEAT THAT!

Write three
factors of 40...

\bigcirc \bigcirc \bigcirc

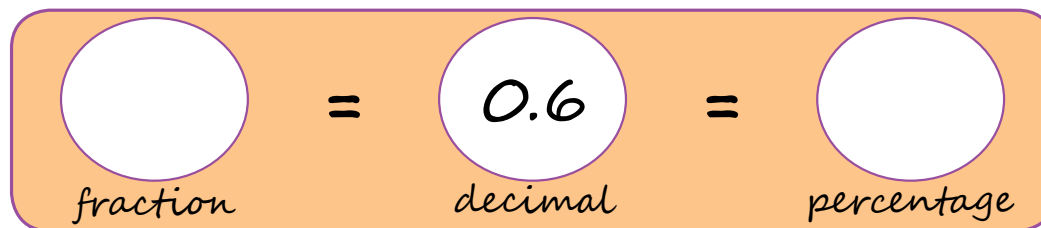
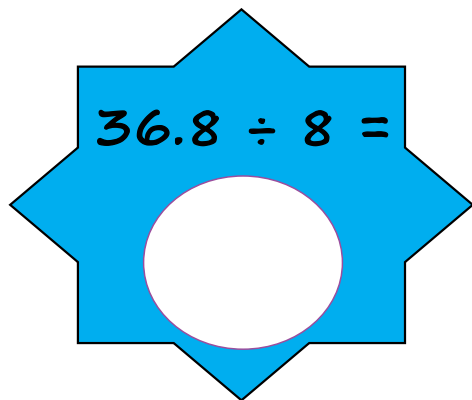
$$601 \div 7 = \bigcirc$$

$$36 \times 85 = \bigcirc$$

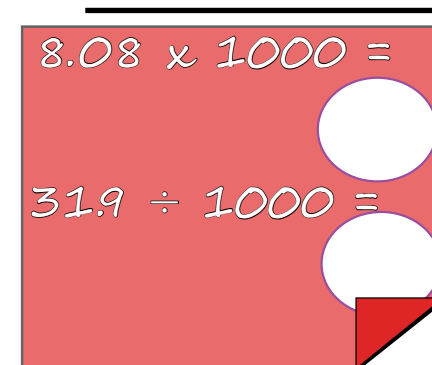
$$862 + \square = 1000$$

$$8.86 + 7.97 = \bigcirc$$
$$6.77 - 2.86 = \bigcirc$$

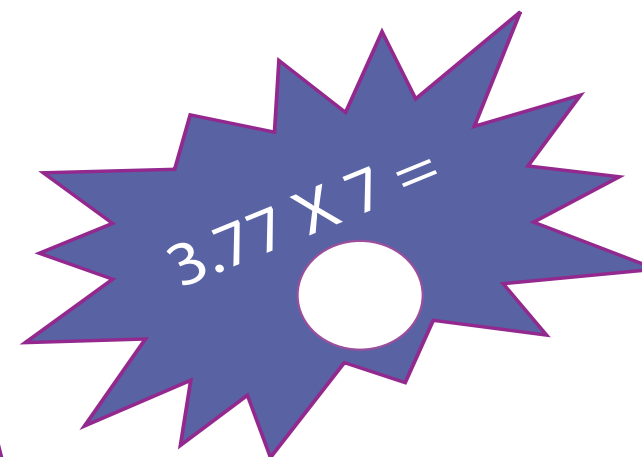
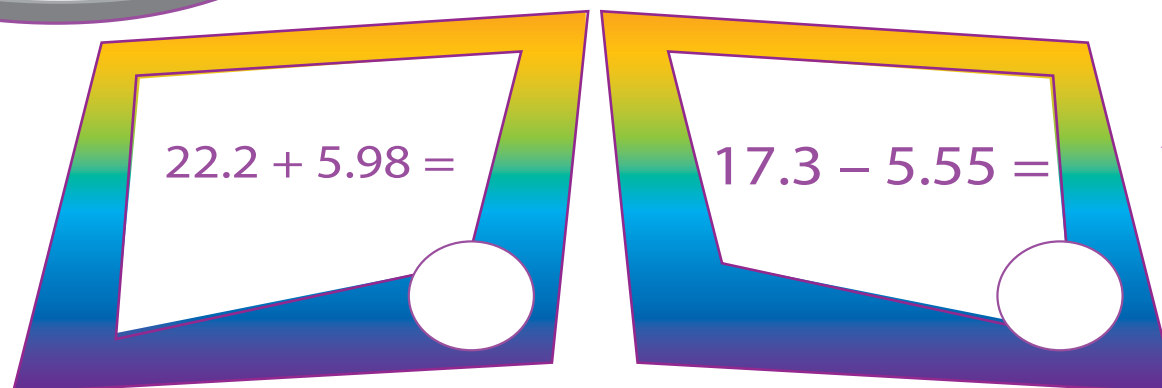
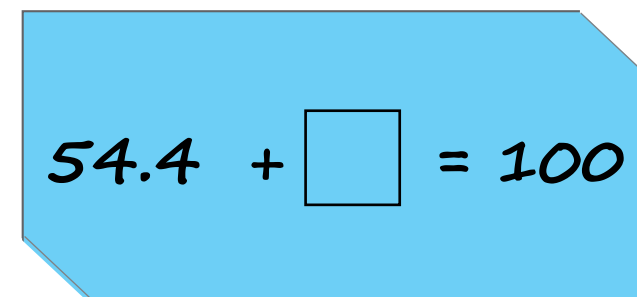
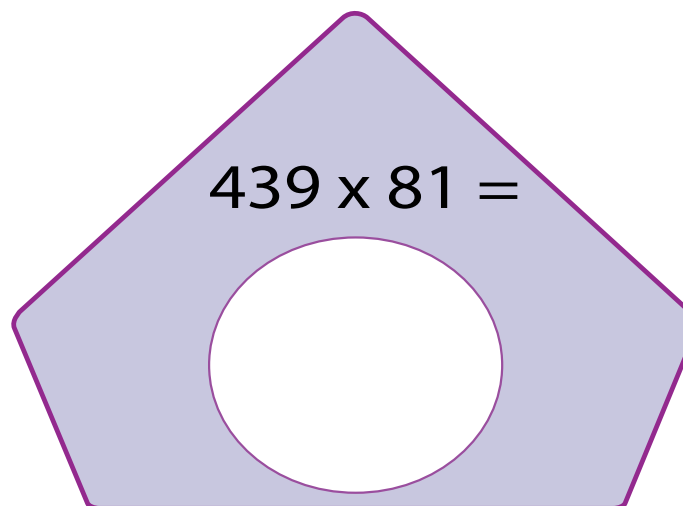
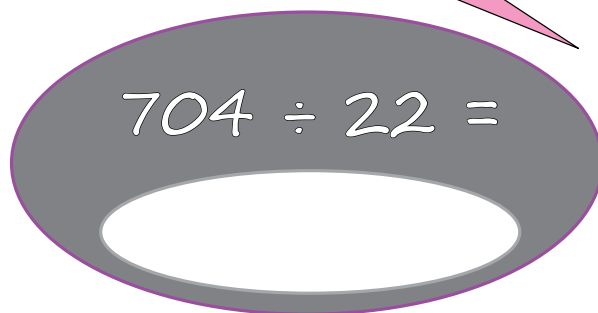
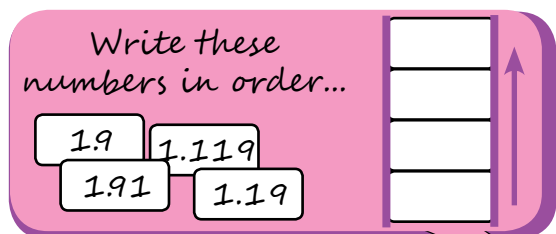
$$8.6 \times 7 = \bigcirc$$



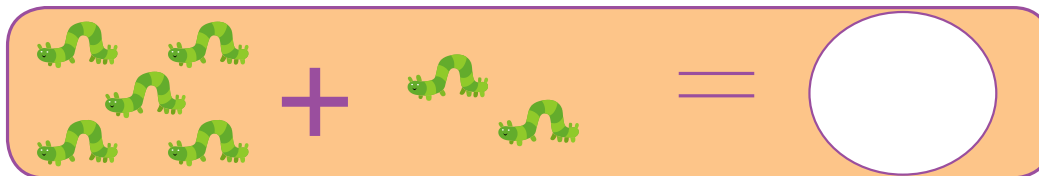
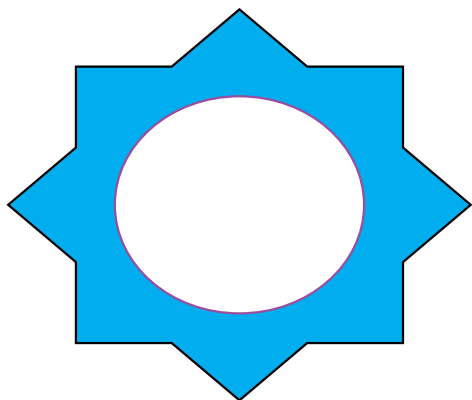
Name: _____



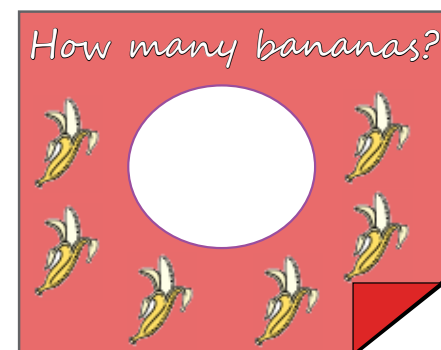
BIG MATHS BEAT THAT!



Week Nine



Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

6	4	5
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 more than 5
is?

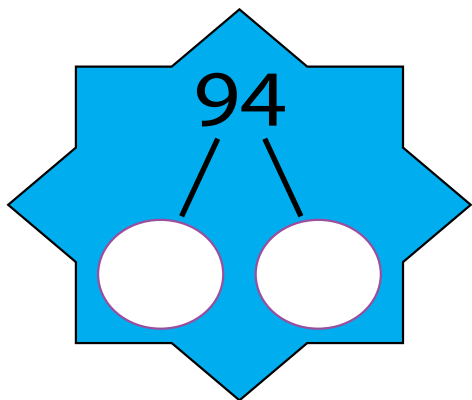
Double
3 is

$$6 + \square = 10$$

$$5 + 3 =$$

Half of 6 is...

8 take away
6 is...

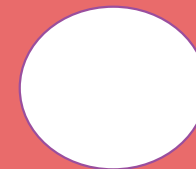


Write out the
fact family
for:

$$5 + 8 = 13$$

Name: _____

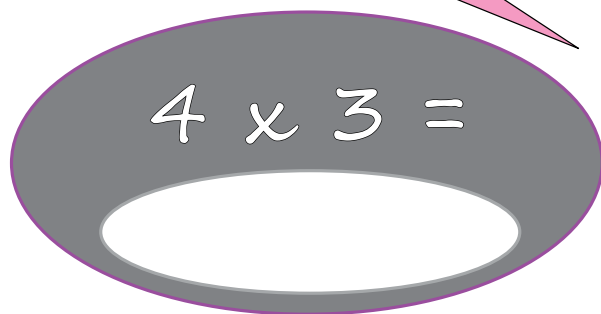
$$60 + 30 =$$



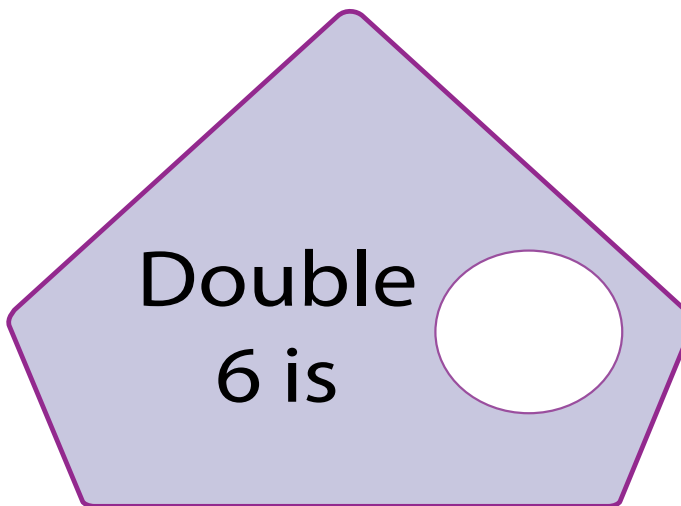
BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

55 20 7 63



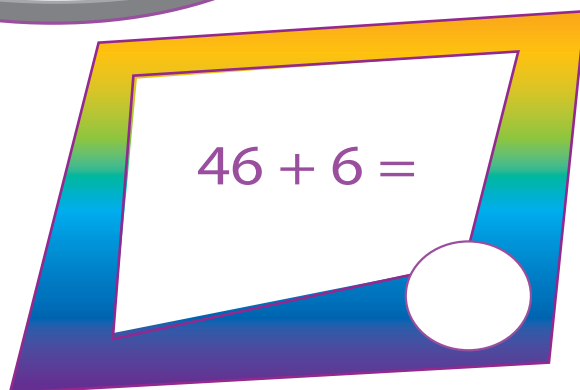
Double
6 is



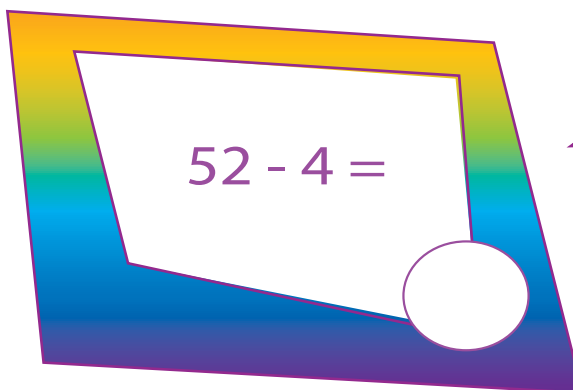
$$33 + \square = 40$$

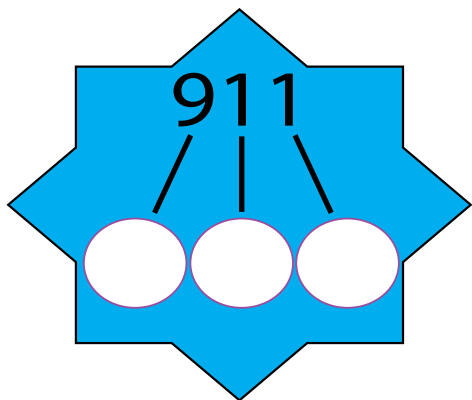


$$46 + 6 =$$



$$52 - 4 =$$





Write out the
fact family
for:

$$66 + 19 = 85$$

Name: _____

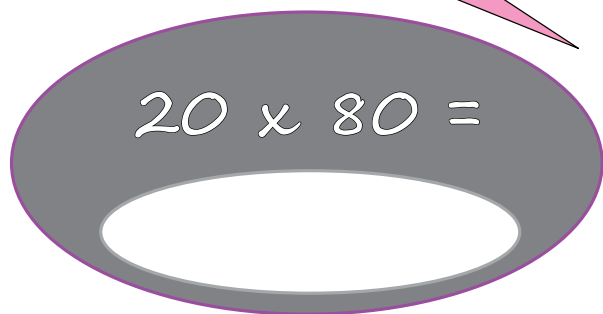
$$58 \times 10 =$$

$$630 \div 10 =$$

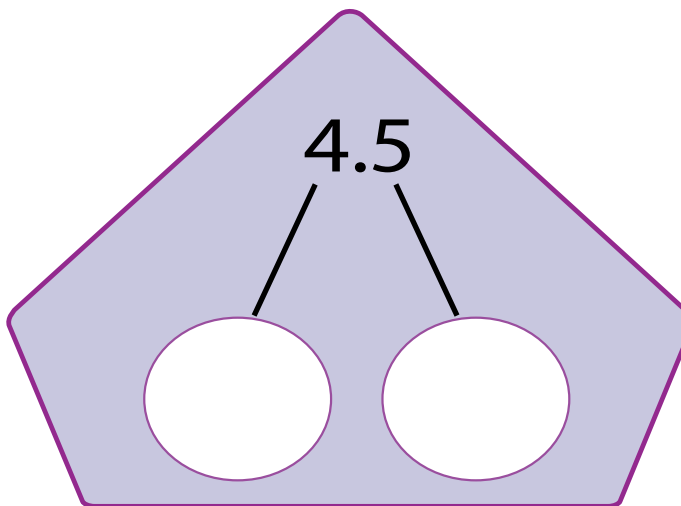
BIG MATHS BEAT THAT!

$$63 \div 4 =$$

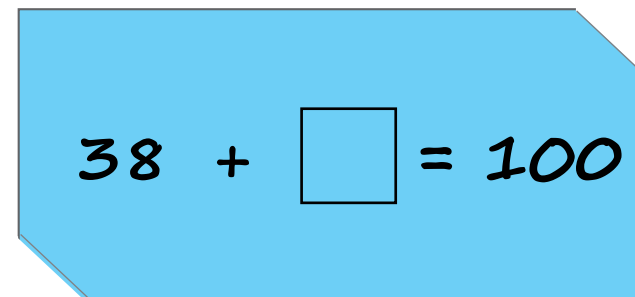
$$20 \times 80 =$$



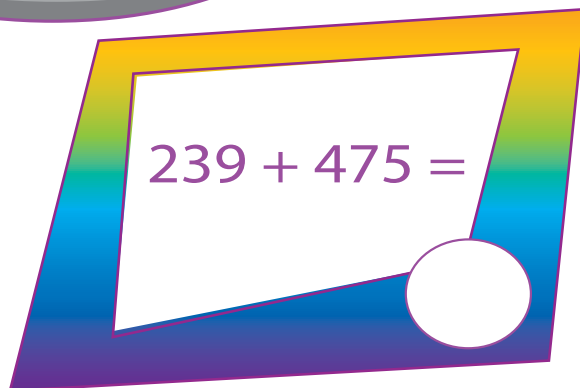
4.5



$$38 + \square = 100$$



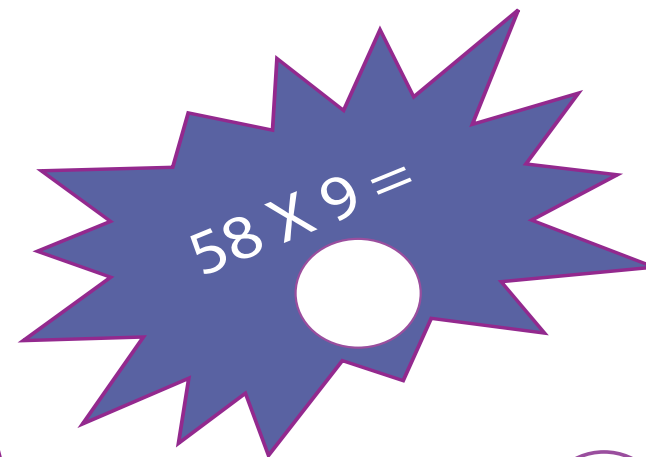
$$239 + 475 =$$

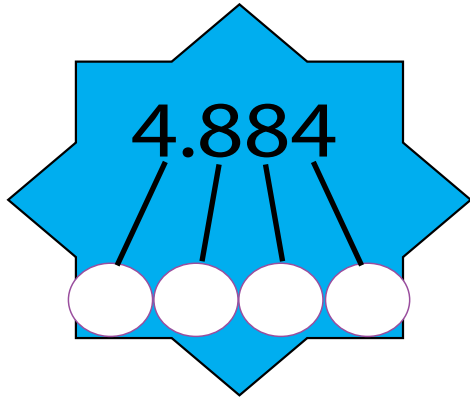


$$828 - 356 =$$



$$58 \times 9 =$$





$$\frac{1}{10} = \bigcirc = \bigcirc$$

fraction decimal percentage

Name: _____

$$69 \times 100 = \bigcirc$$
$$418 \div 10 = \bigcirc$$

BIG MATHS BEAT THAT!

Write a multiple
of 7 between 55
and 65



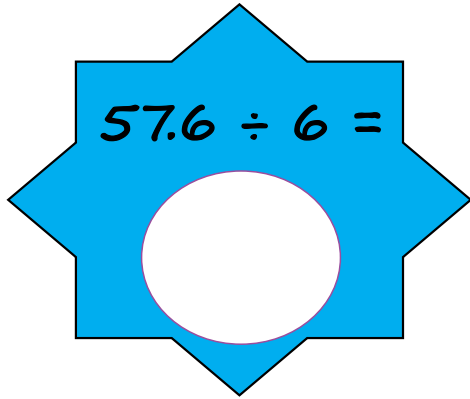
$$119 \div 6 = \bigcirc$$

$$98 \times 76 = \bigcirc$$

$$857 + \square = 1000$$

$$4.44 + 9.66 = \bigcirc$$
$$5.16 - 3.53 = \bigcirc$$

$$3.4 \times 4 = \bigcirc$$



= = 60%

fraction decimal percentage

Name: _____

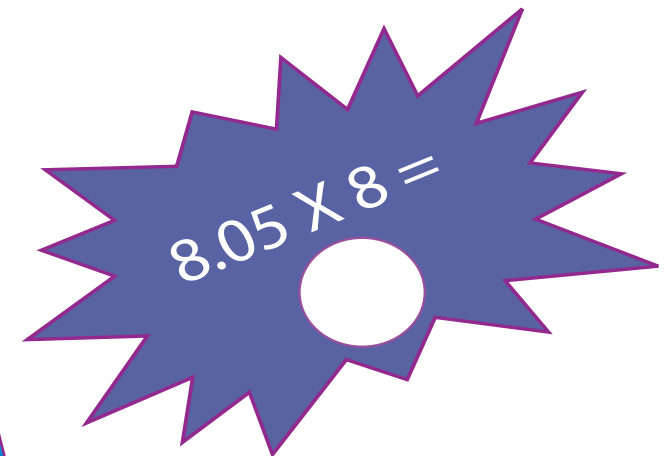
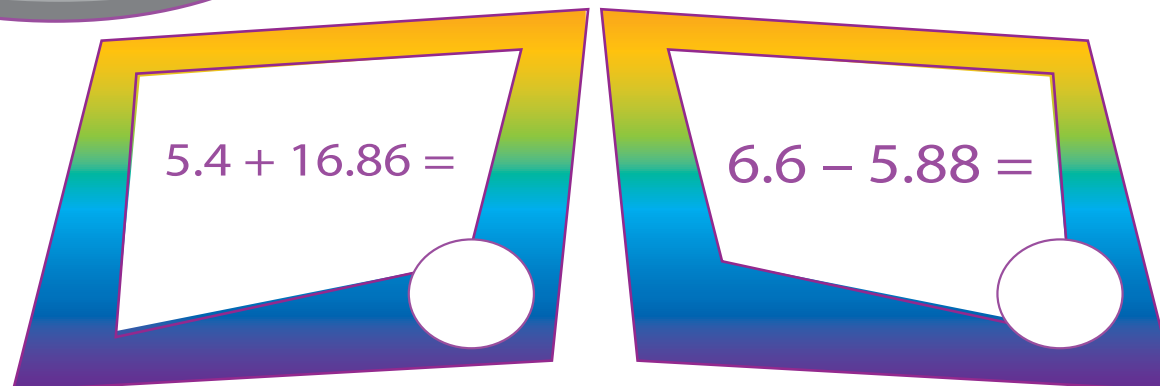
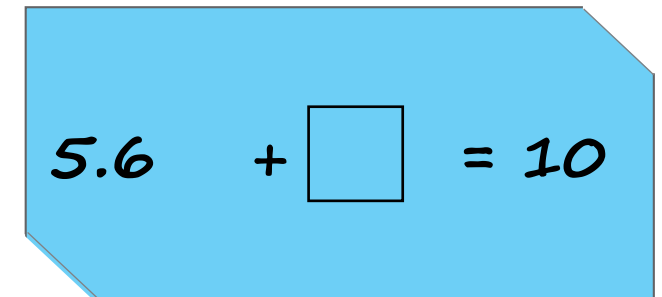
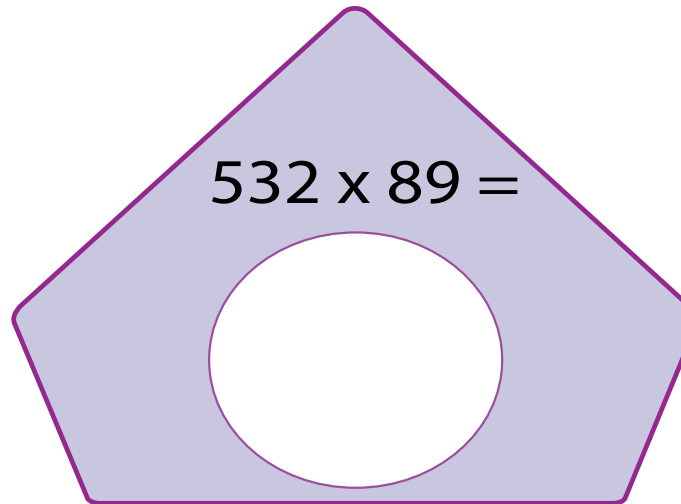
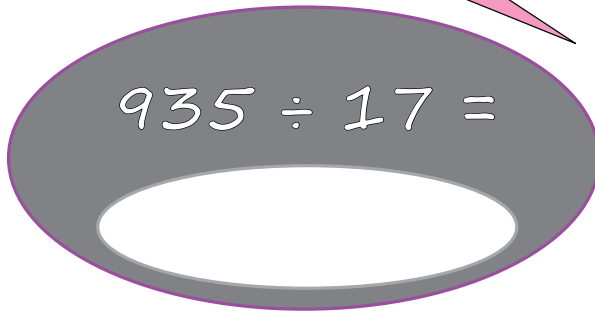
$8.68 \times 1000 =$

$22.5 \div 1000 =$

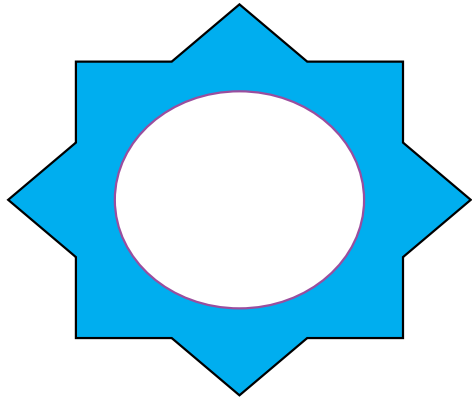
BIG MATHS BEAT THAT!

Write these numbers in order...

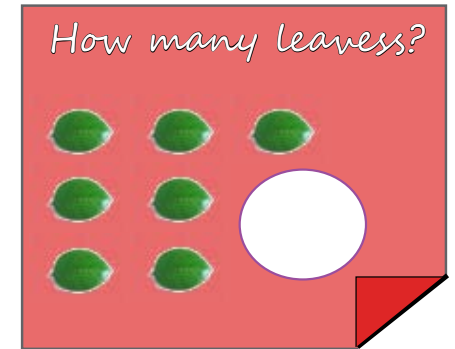
8.7 0.87
0.77 0.807



Week Ten



Name: _____



BIG MATHS BEAT THAT!

Write these numbers in order

7	9	2
<input type="text"/>	<input type="text"/>	<input type="text"/>

1 less than 9
is?

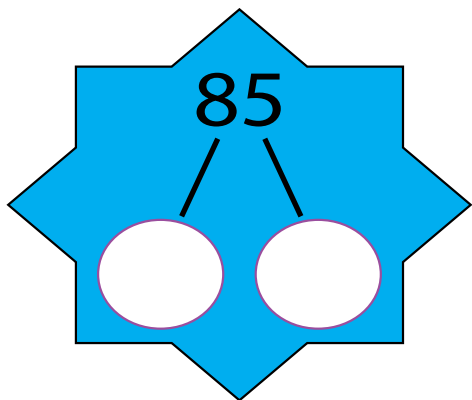
Double
1 is

$$9 + \square = 10$$

$$3 + 5 =$$

Half of 12 is...

8 take away
6 is...

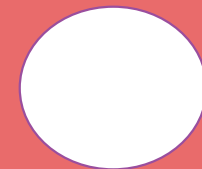


Write out the
fact family
for:

$$8 + 4 = 12$$

Name: _____

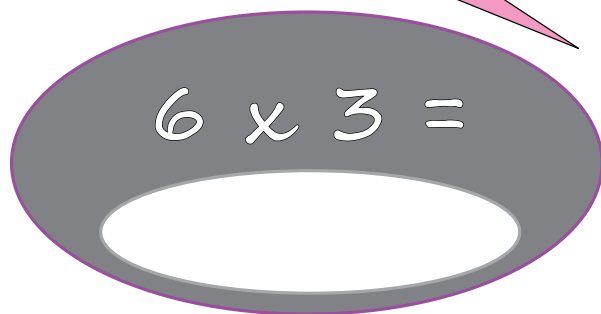
$$90 + 30 =$$



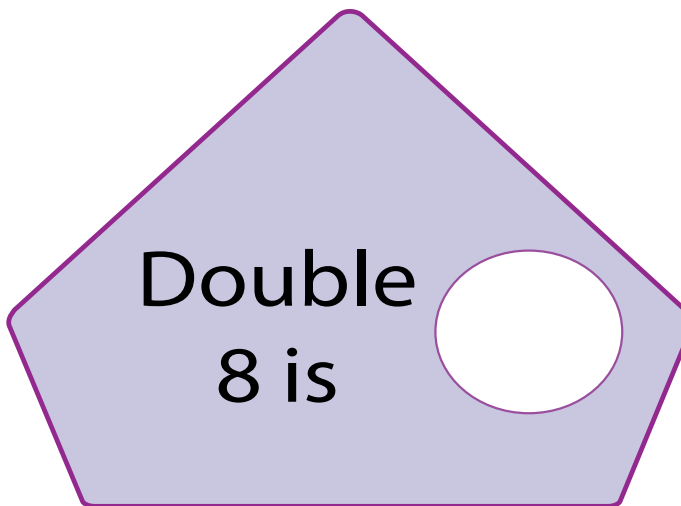
BIG MATHS BEAT THAT!

Draw a ring around
the **even** numbers

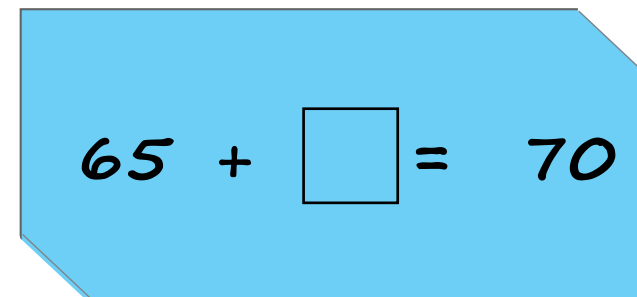
24 75 40 13



Double
8 is



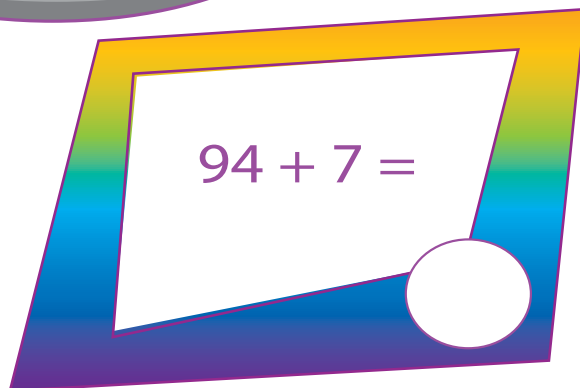
$$65 + \square = 70$$



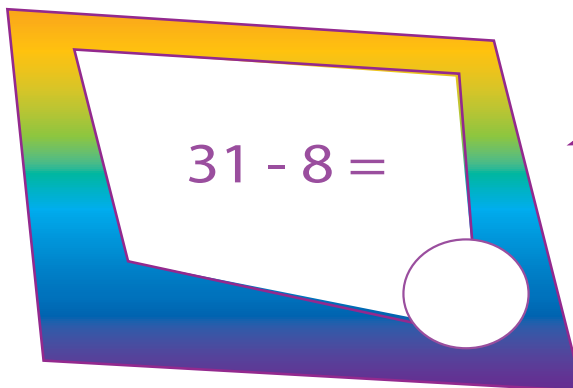
Half of 18 is...

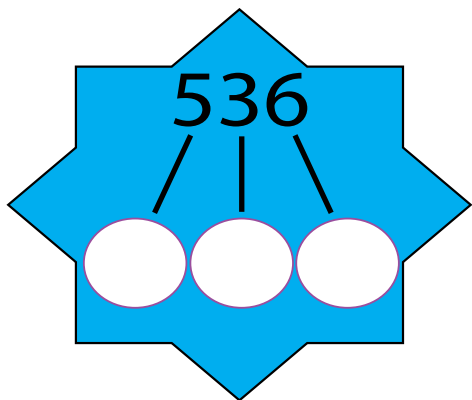


$$94 + 7 =$$



$$31 - 8 =$$





Write out the
fact family
for:

$$41 \times 12 = 492$$

Name: _____

$$76 \times 10 =$$

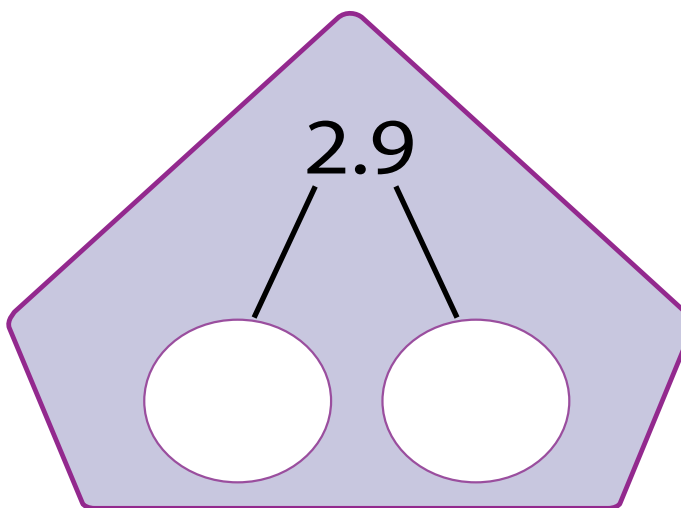
$$930 \div 10 =$$

BIG MATHS BEAT THAT!

$$71 \div 5 =$$

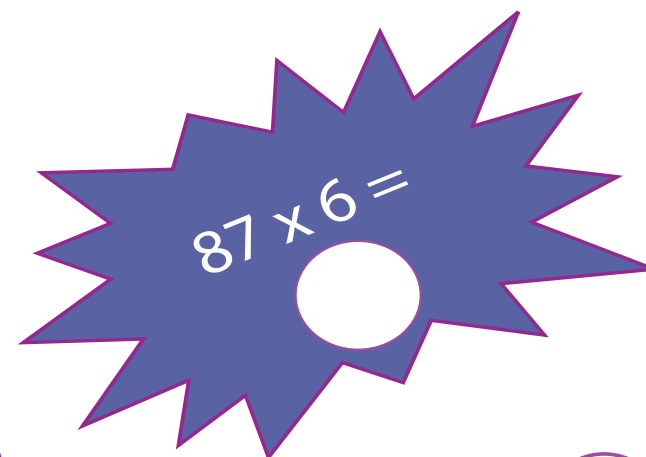
$$50 \times 40 =$$

2.9



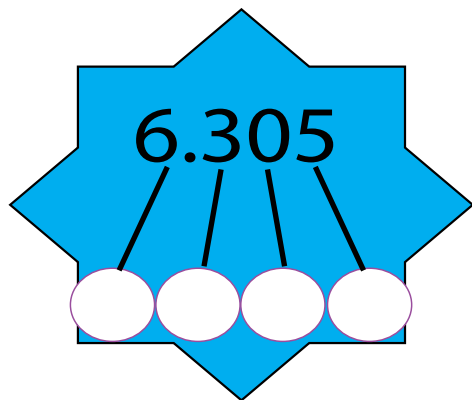
$$74 + \square = 100$$

$$87 \times 6 =$$



$$529 + 447 =$$

$$645 - 278 =$$



$$\frac{1}{2} = \bigcirc = \bigcirc$$

fraction decimal percentage

Name: _____

$$36 \times 100 = \bigcirc$$

$$479 \div 10 = \bigcirc$$

BIG MATHS BEAT THAT!

Write a square
number between
50 and 70



$$329 \div 5 = \bigcirc$$

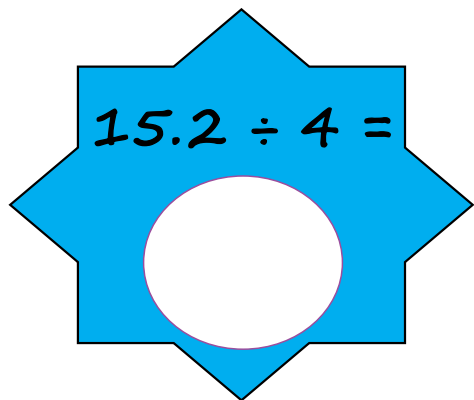
$$44 \times 66 = \bigcirc$$

$$232 + \square = 1000$$

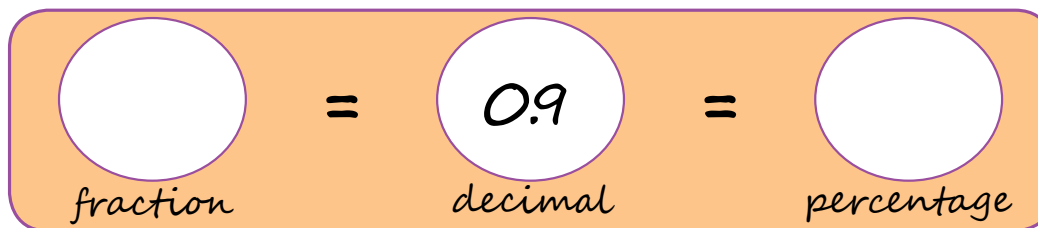
$$5.09 + 9.95 = \bigcirc$$

$$3.27 - 2.57 = \bigcirc$$

$$6.4 \times 3 = \bigcirc$$

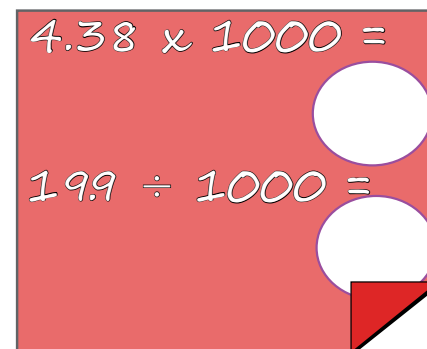


$$15.2 \div 4 =$$



$$\text{fraction} = 0.9 = \text{percentage}$$

Name: _____



$$4.38 \times 1000 =$$

$$19.9 \div 1000 =$$

BIG MATHS BEAT THAT!

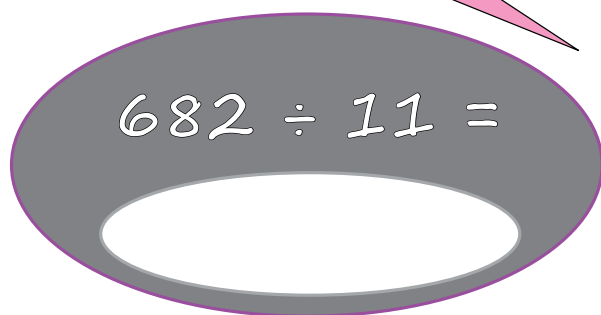
Write these numbers in order...

4.5

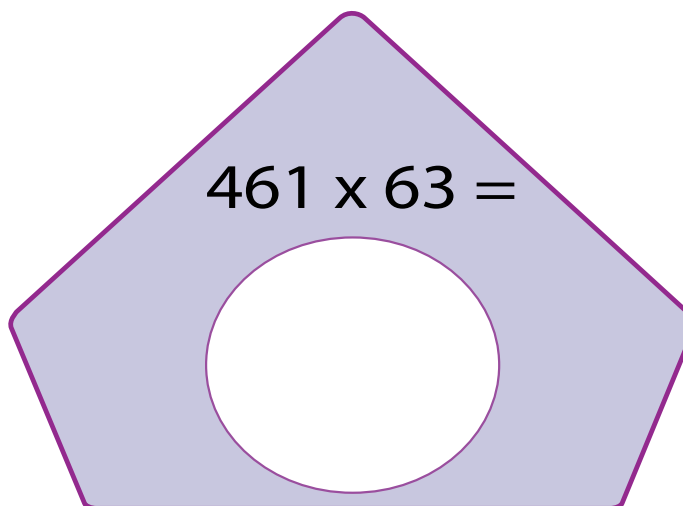
4.055

4.05

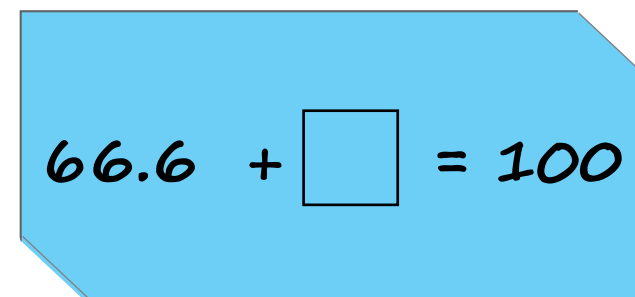
4.04



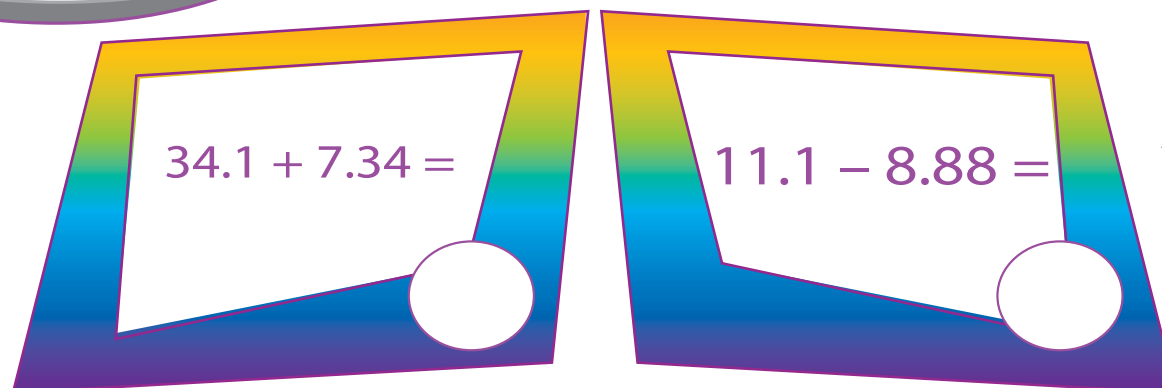
$$682 \div 11 =$$



$$461 \times 63 =$$

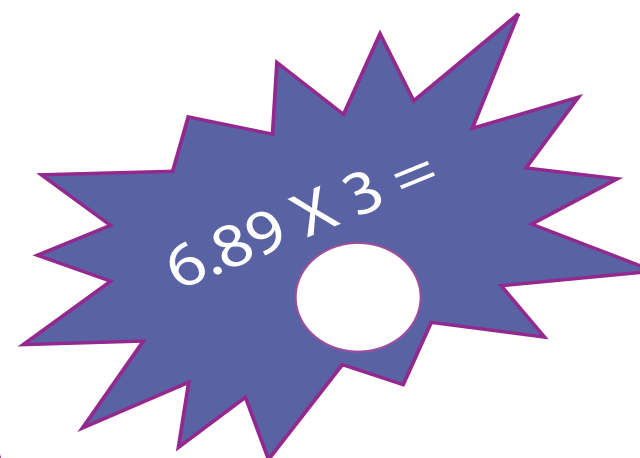


$$66.6 + \square = 100$$



$$34.1 + 7.34 =$$

$$11.1 - 8.88 =$$



$$6.89 \times 3 =$$

Answers

Week One



$$\begin{array}{c} \text{3 balls} \end{array} + \begin{array}{c} \text{4 balls} \end{array} = \text{7}$$



BIG MATHS BEAT THAT!

Write these numbers in order

8	2	4
2	4	8

One more than
3 is?

4

Double
4 is

8

$$6 + 4 = 10$$

5 take away
3 is...

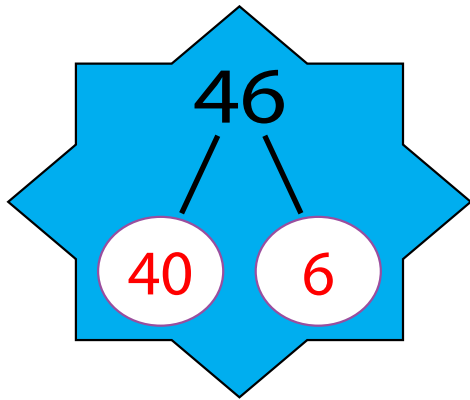
2

$$3 + 6 =$$

9

Half of 8 is...

4



Write out the
fact family
for:

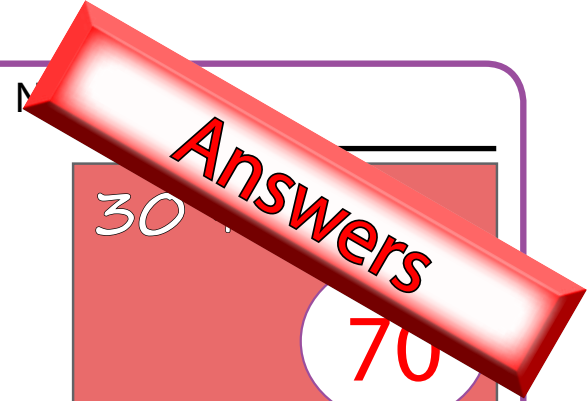
$$8 + 6 = 14$$

$$14 - 6 = 8$$

$$6 + 8 = 14$$

$$14 - 8 = 6$$

BIG MATHS BEAT THAT!



Draw a ring around
the **odd** numbers

46 71 19 8

$$3 \times 4 =$$

$$12$$

Double
9 is

$$18$$

$$36 + 4 = 40$$

$$36 + 7 =$$

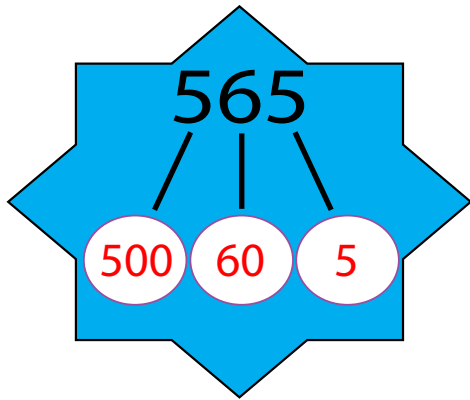
$$43$$

$$65 - 7 =$$

58

Half of 16 is...

$$8$$



Write out the
fact family
for:

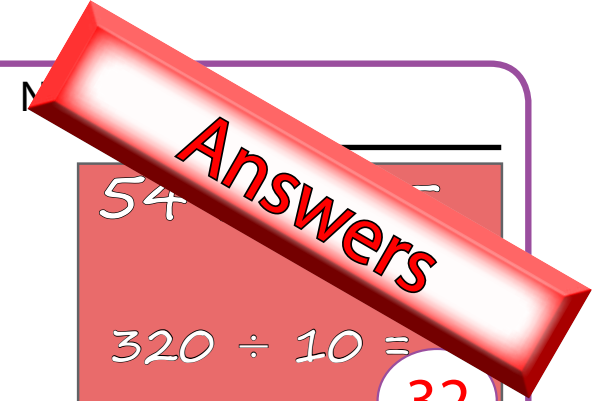
$$13 + 68 = 81$$

$$81 - 13 = 68$$

$$68 + 13 = 81$$

$$81 - 68 = 13$$

BIG MATHS BEAT THAT!

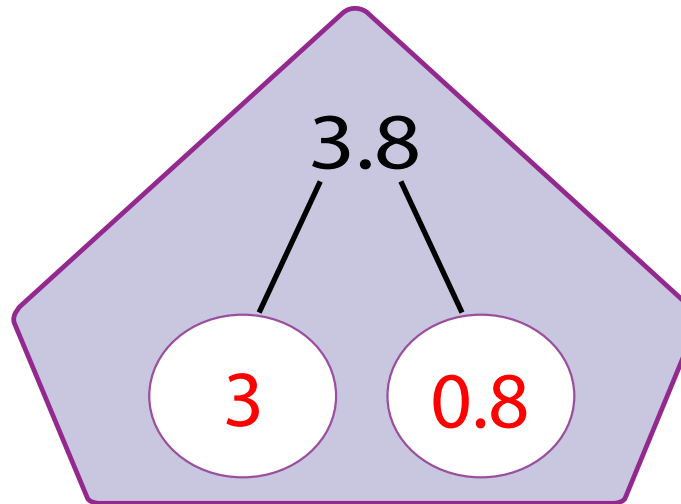


54

$$320 \div 10 = 32$$

$$73 \div 5 = 14 \text{ r } 3$$

$$30 \times 80 = 2400$$



$$36 + 64 = 100$$

$$456 + 278 =$$

734

$$312 - 149 =$$

163

$$45 \times 5 = 225$$

Answers

1.625

4

0.6

0.02

0.005

$\frac{1}{4}$

=

0.25

=

25%

fraction

decimal

percentage

BIG MATHS BEAT THAT!

Name: _____

$$28 \times 100 =$$

2800

$$715 \div 10 =$$

71.5

Write a
square number
between 10
and 30

16
or
25

$$500 \div 7 =$$

71 r 3

$$35 \times 28 =$$

980

$$348 + 652 = 1000$$

$$2.3 \times 4 =$$

9.2

$$2.68 + 1.35 =$$

4.03

$$4.32 - 1.79 =$$

2.53

L4
1

Answers

$$5.3 \div 8 =$$

5.3

$$\frac{2}{5}$$

fraction

=

0.4

decimal

=

40%

percentage

Name: _____

$$3.07 \times 1000 =$$

3070

$$53.6 \div 1000 =$$

0.0536

BIG MATHS BEAT THAT!

Write these
numbers in order...

1.3

1.113

1.31

1.13

1.31

1.3

1.13

1.113

$$651 \div 21 =$$

31

$$619 \times 77 =$$

47663

$$3.4 + 6.6 = 10$$

$$45.7 + 8.68 =$$

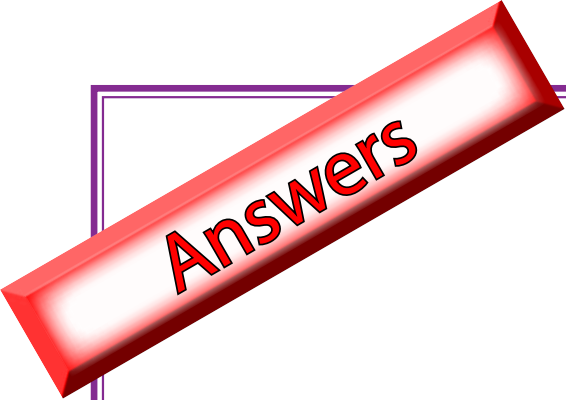
54.38

$$4.2 - 1.32 =$$

2.88

$$4.78 \times 7 =$$

33.46



Week Two

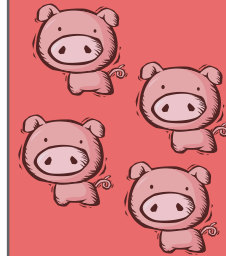
Answers

8

 $3 + 3 = 6$

Name: _____

How many pigs?



4

BIG MATHS BEAT THAT!

Write these numbers in order

5

2

3

2

3

5

1 less than 5
is?

4

Double
2 is

4

$3 + 7 = 10$

$6 + 2 =$

8

Half of 12 is...

6

4 take away
3 is...

1

L1
2

Answers

Write out the
fact family
for:

$$3 + 8 = 11$$

$$11 - 3 = 8$$

$$8 + 3 = 11$$

$$11 - 8 = 3$$

Name: _____

$$60 + 20 =$$

80

BIG MATHS BEAT THAT!

Draw a ring around
the **even** numbers

35

64

79

12

$$3 \times 6 =$$

18

Double
7 is

14

$$25 + 5 = 30$$

$$45 + 6 =$$

51

$$56 - 8 =$$

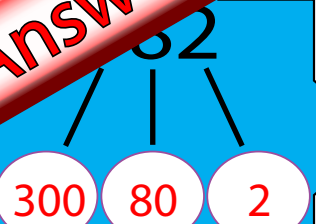
48

Half of 18 is...

9

L2
2

Answers



Write out the
fact family
for:

$$63 \times 14 = 882$$

$$882 \div 14 = 63$$

$$14 \times 63 = 882$$

$$882 \div 63 = 14$$

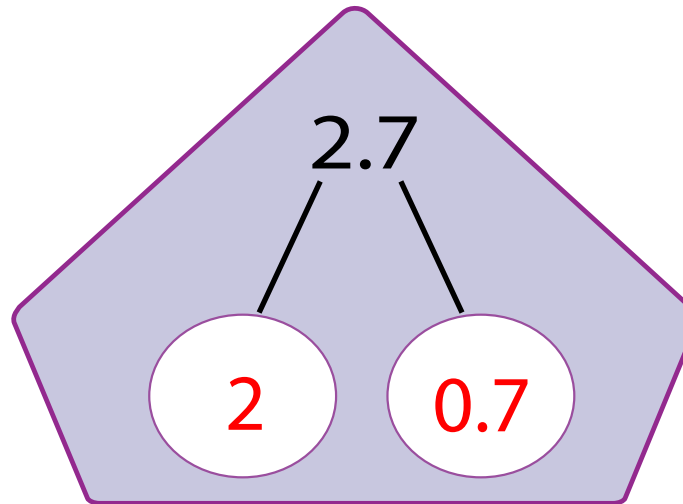
Name: _____

$$47 \times 10 = 470$$
$$450 \div 10 = 45$$

BIG MATHS BEAT THAT!

$$49 \div 3 = 16 \text{ r } 1$$

$$50 \times 40 = 2000$$



$$63 + 37 = 100$$

$$528 + 354 =$$

882

$$425 - 297 =$$

128

$$34 \times 3 = 102$$

L3
2

Answers

3.818

3

0.8

0.01

0.008

$\frac{1}{2}$

fraction

=

0.5

decimal

=

50%

percentage

Name: _____

$$28 \times 100 =$$

2800

$$715 \div 10 =$$

71.5

BIG MATHS BEAT THAT!

Write three factors
of 24...

1,2,3

4,6,8

12,24

$$410 \div 6 =$$

68 r 2

$$68 \times 19 =$$

1292

$$675 + 325 = 1000$$

$$5.92 + 4.82 =$$

10.74

$$2.44 - 1.55 =$$

0.89

$$4.5 \times 7 =$$

31.5

L4
2

Answers

$$5.6 \div 6 =$$

5.6

$$\frac{4}{5}$$

fraction

=

0.8

decimal

=

80%

percentage

BIG MATHS BEAT THAT!

Name: _____

$$5.32 \times 1000 =$$

5320

$$81.1 \div 1000 =$$

0.0811

Write these
numbers in order...

2.88

8.2

8.822

8.28

8.822

8.28

8.2

2.88

$$169 \div 13 =$$

13

$$381 \times 29 =$$

11049

$$43.5 + 56.5 = 100$$

$$6.8 + 20.68 =$$

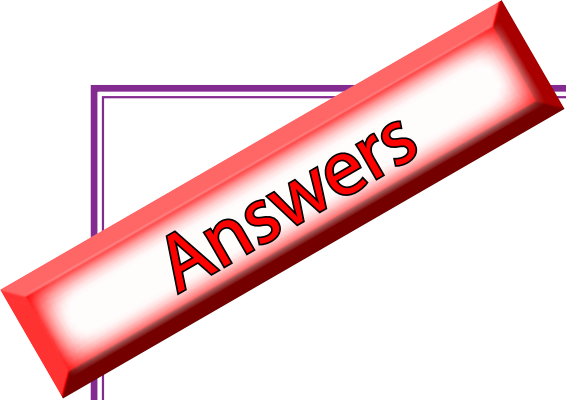
27.48

$$16.4 - 8.87 =$$

7.53

$$2.38 \times 3 =$$

7.14



Week Three

Answers

4


$$\text{5 dogs} + \text{5 dogs} = 5$$

Name: _____

How many hearts?



6

BIG MATHS BEAT THAT!

Write these numbers in order

7	9	2
2	7	9

1 more than 4
is?

5

Double
5 is

10

$$7 + 3 = 10$$

$$7 + 2 =$$

9

Half of 14 is...

7

5 take away
1 is...

4

L1
3

Answers

Write out the
fact family
for:

$$5 + 7 = 12$$

$$12 - 7 = 5$$

$$7 + 5 = 12$$

$$12 - 5 = 7$$

Name: _____

$$50 + 60 =$$

110

BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

10

81

7

92

$$4 \times 6 =$$

24

Double
6 is

12

$$13 + 7 = 20$$

$$57 + 9 =$$

66

$$34 - 7 =$$

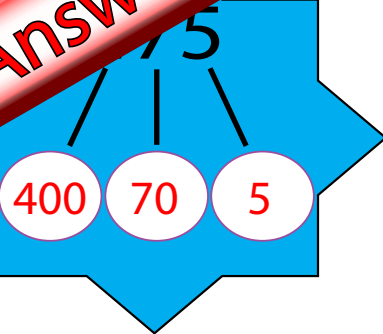
27

Half of 14 is...

7

L2
3

Answers



Write out the
fact family
for:

$$67 + 24 = 91$$

$$91 - 24 = 67$$

$$24 + 67 = 91$$

$$91 - 67 = 24$$

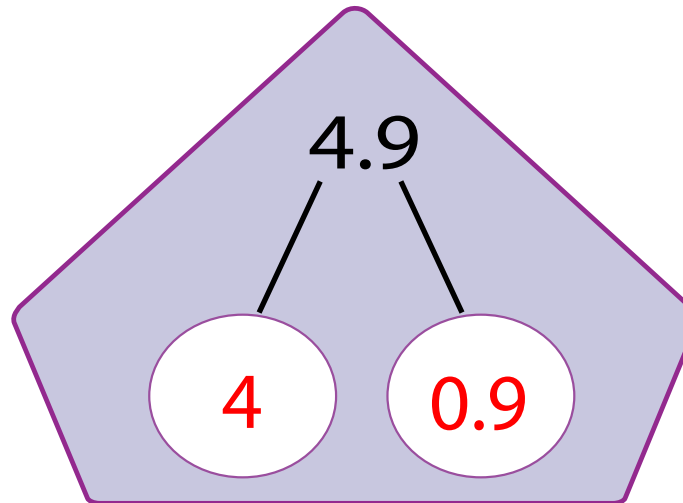
Name: _____

$$67 \times 10 = 670$$
$$730 \div 10 = 73$$

BIG MATHS BEAT THAT!

$$67 \div 4 = 16 \text{ r } 3$$

$$70 \times 30 = 2100$$



$$42 + 58 = 100$$

$$627 + 283 =$$

910

$$571 - 189 =$$

382

$$56 \times 4 = 224$$

L3
3

Answers



$$\frac{1}{10}$$

fraction

=

0.1

decimal

=

10%

percentage

BIG MATHS BEAT THAT!

Name: _____

$$16 \times 100 =$$

1600

$$462 \div 10 =$$

46.2

Write a
multiple of 8
between 20
and 35

24
or
32

$$730 \div 8 =$$

91 r 2

$$52 \times 72 =$$

3744

$$289 + 711 = 1000$$

$$7.6 \times 3 =$$

22.8

$$7.82 + 7.96 =$$

15.78

$$5.45 - 2.67 =$$

2.78

L4
3

Answers

$$5.4 \div 4 =$$

5.4

$$\frac{3}{10}$$

fraction

=

0.3

decimal

=

30%

percentage

BIG MATHS BEAT THAT!

Name: _____

$$7.31 \times 1000 =$$

7310

$$7.6 \div 1000 =$$

0.0076

Write these
numbers in order...

4.54

4.454

4.45

4.5

4.54

4.5

4.454

4.45

$$672 \div 32 =$$

21

$$844 \times 91 =$$

76804

$$6.7 + 3.3 = 10$$

$$35.9 + 3.77 =$$

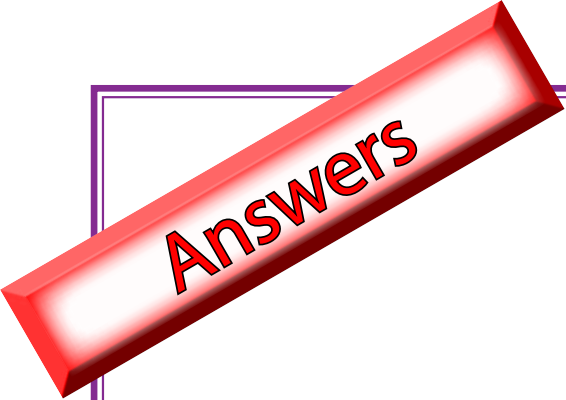
39.67

$$11.26 - 6.8 =$$

4.46

$$4.17 \times 6 =$$

25.02



Week Four

Answers

9



+



=

10

Name: _____

How many stars?



3

BIG MATHS BEAT THAT!

Write these numbers in order

6

4

8

4

6

8

1 less than 7
is?

6

Double
5 is

10

$$2 + 8 = 10$$

9 take away
6 is...

3

$$5 + 4 =$$

9

Half of 8 is...

4

L1
4

Answers

70

1

Write out the
fact family
for:

$$7 + 8 = 15$$

$$15 - 7 = 8$$

$$8 + 7 = 15$$

$$15 - 8 = 7$$

Name: _____

$$70 + 40 =$$

110

BIG MATHS BEAT THAT!

Draw a ring around
the **even** numbers

43

12

66

39

$$3 \times 8 =$$

24

Double
9 is

18

$$32 + 8 = 40$$

Half of 12 is...

6

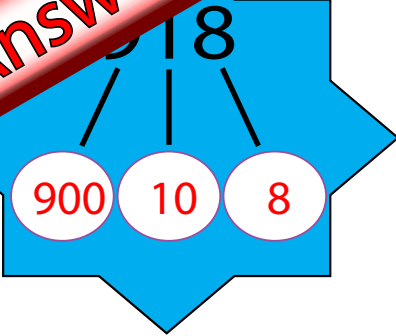
$$63 + 8 =$$

71

$$71 - 5 =$$

66

Answers



Write out the
fact family
for:

$$24 \times 17 = 408$$

$$408 \div 24 = 17$$

$$17 \times 24 = 408$$

$$408 \div 17 = 24$$

BIG MATHS BEAT THAT!

Name: _____

$$29 \times 10 = 290$$
$$810 \div 10 = 81$$

$$81 \div 5 = 16 \text{ r } 1$$

$$50 \times 60 =$$

$$3000$$

$$6.5$$

$$6$$

$$0.5$$

$$81 + 19 = 100$$

$$218 + 354 =$$

$$572$$

$$604 - 265 =$$

$$339$$

$$93 \times 5 = 465$$

Answers



$$\frac{3}{4}$$

fraction

=

0.75

decimal

=

75%

percentage

BIG MATHS BEAT THAT!

Name: _____

$$77 \times 100 = 7700$$

$$371 \div 10 = 37.1$$

Write a square
number
between 80
and 110

81
or
100

$$298 \div 9 =$$

33 r 1

$$68 \times 84 =$$

5712

$$833 + 167 = 1000$$

$$6.2 \times 8 = 49.6$$

$$4.38 + 8.88 =$$

13.26

$$7.24 - 3.68 =$$

3.56

L4
4

Answers

$$5.2 \div 9 =$$

5.2

$$\frac{6}{10}$$

fraction

=

$$0.6$$

decimal

=

$$60\%$$

percentage

BIG MATHS BEAT THAT!

Name: _____

$$7.33 \times 1000 =$$

7330

$$71.2 \div 1000 =$$

0.0712

Write these
numbers in order...

6.13

6.11

1.63

6.131

6.131

6.13

6.11

1.63

$$864 \div 16 =$$

54

$$268 \times 43 =$$

11524

$$62.7 + 37.3 = 100$$

$$2.39 \times 5 =$$

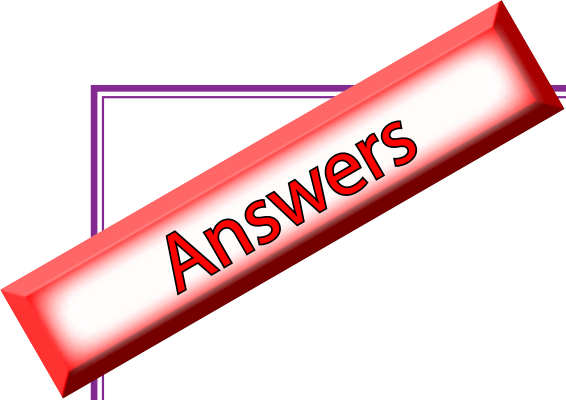
11.95

$$7.5 + 27.82 =$$

35.32

$$31.6 - 8.82 =$$

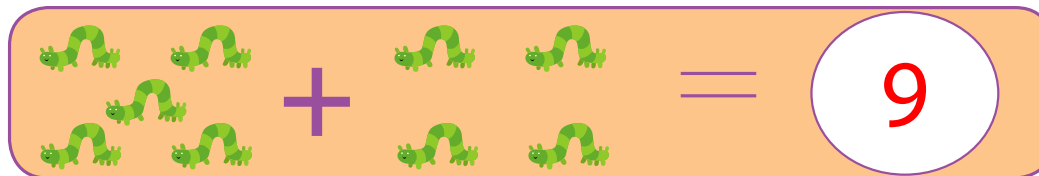
22.78



Week Five

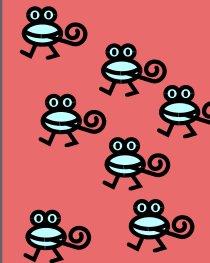
Answers

5


$$5 + 4 = 9$$

Name: _____

How many frogs?



7

BIG MATHS BEAT THAT!

Write these numbers in order

2	9	1
1	2	9

1 more than 7
is?

8

Double
1 is

2

$$4 + 6 = 10$$

$$6 + 3 =$$

9

Half of 14 is...

7

7 take away
4 is...

3

L1
5

Answers

Write out the
fact family
for:

$$8 + 9 = 17$$

$$17 - 9 = 8$$

$$9 + 8 = 17$$

$$17 - 8 = 9$$

Name: _____

$$40 + 40 =$$

80

BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

97

45

68

5

$$4 \times 4 =$$

16

Double
10 is

20

$$74 + \boxed{6} = 80$$

$$66 + 8 =$$

74

$$42 - 7 =$$

35

Half of 16 is...

8

L2
5

Answers

700 0 7

Write out the
fact family
for:

$$43 + 29 = 72$$

$$72 - 43 = 29$$

$$29 + 43 = 72$$

$$72 - 29 = 43$$

Name: _____

$$87 \times 10 = 870$$
$$530 \div 10 = 53$$

BIG MATHS BEAT THAT!

$$55 \div 3 = 18 \text{ r } 1$$

$$90 \times 20 = 1800$$

3.2

3

0.2

$$57 + 43 = 100$$

$$392 + 456 =$$

848

$$777 - 388 =$$

389

$$47 \times 6 = 282$$

L3
5

Answers

3.296

8

0.2

0.09

0.006

$\frac{1}{4}$

=

0.25

=

25%

fraction

decimal

percentage

BIG MATHS BEAT THAT!

Name: _____

$$92 \times 100 =$$

9200

$$823 \div 10 =$$

82.3

Write three
factors of 32...

1,2,4

8,16

32

$$250 \div 3 =$$

83 r 1

$$71 \times 17 =$$

1207

$$265 + 735 = 1000$$

$$3.94 + 9.45 =$$

13.39

$$3.45 - 1.65 =$$

1.8

$$3.5 \times 5 =$$

17.5

L4
5

Answers

$7.9 \div 3 =$
7.9

$\frac{8}{10}$

fraction

=

0.8

decimal

=

80%

percentage

Name: _____

$8.12 \times 1000 =$

8120

$40.1 \div 1000 =$

0.0401

BIG MATHS BEAT THAT!

Write these
numbers in order...

7.39

7.779

7.97

7.79

7.97

7.79

7.779

7.39

$787 \times 35 =$

27545

$2.8 + 7.2 = 10$

$572 \div 26 =$

22

$95.7 + 11.11 =$

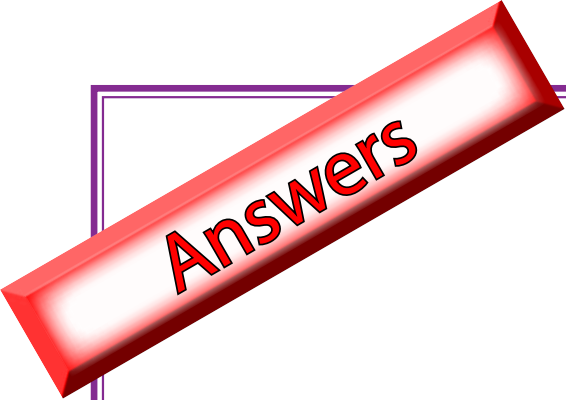
106.81

$7.8 - 4.87 =$

2.93

$9.81 \times 9 =$

88.29



Week Six

Answers

2


$$5 + 5 = 10$$

Name: _____

How many boys?



9

**BIG MATHS
BEAT THAT!**

Write these numbers in order

8	5	7
5	7	8

1 less than 8
is?

7

Double
4 is

8

$$1 + 9 = 10$$

$$5 + 3 =$$

8

Half of 8 is...

4

9 take away
8 is...

1

L1
6

Answers

Write out the
fact family
for:

$$9 + 5 = 14$$

$$14 - 5 = 9$$

$$5 + 9 = 14$$

$$14 - 9 = 5$$

Name: _____

$$90 + 30 =$$

120

BIG MATHS BEAT THAT!

Draw a ring around
the **even** numbers

52

33

46

70

$$3 \times 3 =$$

9

Double
8 is

16

$$31 + \boxed{9} = 40$$

$$86 + 5 =$$

91

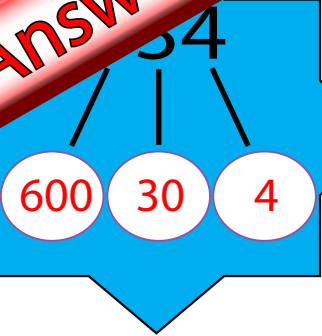
$$43 - 6 =$$

37

Half of 20 is...

10

Answers



Write out the
fact family
for:

$$13 \times 15 = 195$$

$$195 \div 15 = 13$$

$$15 \times 13 = 195$$

$$195 \div 13 = 15$$

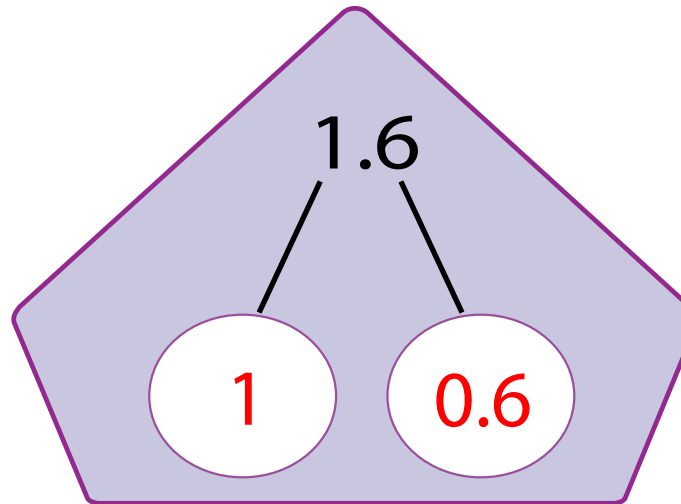
Name: _____

$$59 \times 10 = 590$$
$$920 \div 10 = 92$$

BIG MATHS BEAT THAT!

$$51 \div 4 = 12 \text{ r } 3$$

$$30 \times 70 = 2100$$



$$36 + 64 = 100$$

$$85 \times 4 = 340$$

$$483 + 427 =$$

910

$$834 - 457 =$$

377

Answers

484

7

0.4

0.08

0.004

$\frac{1}{2}$

fraction

=

0.5

decimal

=

50%

percentage

BIG MATHS BEAT THAT!

Name: _____

$$29 \times 100 =$$

2900

$$343 \div 10 =$$

34.3

Write a multiple
of 6 between 40
and 55

42, 48
or 54

$$488 \div 5 =$$

97 r 3

$$89 \times 33 =$$

2937

$$478 + 522 = 1000$$

$$6.68 + 4.49 =$$

11.17

$$5.23 - 2.97 =$$

2.26

$$7.7 \times 3 =$$

23.1

L4
6

Answers

$7.7 \div 5 =$
7.7

$\frac{7}{10}$

fraction

=

0.7

decimal

=

70%

percentage

Name: _____

$94.3 \times 1000 =$

94300

$7.7 \div 1000 =$

0.0077

BIG MATHS BEAT THAT!

Write these
numbers in order...

1.2

1.211

2.1

1.12

2.1

1.211

1.2

1.12

$399 \div 19 =$

21

$911 \times 69 =$

62859

$81.1 + 18.9 = 100$

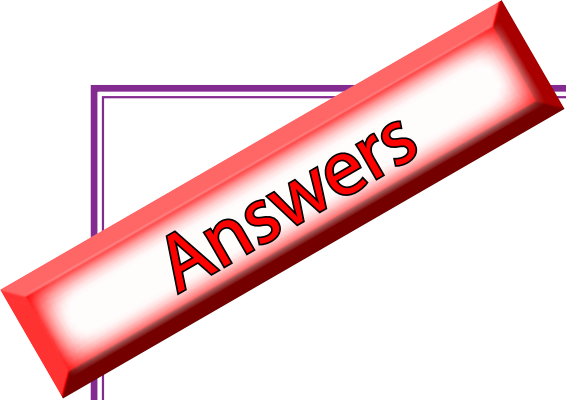
$8.3 + 37.53 =$

45.83

$35.5 - 7.63 =$

27.87

$5.09 \times 4 =$
20.36



Week Seven

Answers

7.7


$$+ = 9$$

Name: _____



Write these numbers in order

4

3

5

3

4

5

1 more than 6
is?

7

Double
2 is

4

$$5 + 5 = 10$$

$$2 + 5 =$$

7

Half of 12 is...

6

8 take away
3 is...

5

L1
7

Answers

20

7

Write out the
fact family
for:

$$6 + 9 = 15$$

$$15 - 6 = 9$$

$$9 + 6 = 15$$

$$15 - 9 = 6$$

Name: _____

$$20 + 90 =$$

110

BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

71

28

6

49

$$3 \times 6 =$$

18

Double
7 is

14

$$86 + 4 = 90$$

$$59 + 3 =$$

62

$$64 - 7 =$$

57

Half of 18 is...

9

L2
7

Answers

200 30 1

Write out the
fact family
for:

$$37 + 47 = 84$$

$$84 - 37 = 47$$

$$47 + 37 = 84$$

$$84 - 47 = 37$$

Name: _____

$$95 \times 10 = 950$$
$$740 \div 10 = 74$$

BIG MATHS BEAT THAT!

$$96 \div 5 = 19 \text{ r } 1$$

$$30 \times 90 = 2700$$

6.7

6

0.7

$$17 + 83 = 100$$

$$577 + 324 =$$

901

$$764 - 585 =$$

179

$$48 \times 7 = 336$$

L3
7

Answers

5.466

9

0.4

0.06

0.006

$$\frac{1}{10}$$

fraction

=

0.1

decimal

=

10%

percentage

Name: _____

$$71 \times 100 =$$

7100

$$288 \div 10 =$$

28.8

BIG MATHS BEAT THAT!

Write a square
number between
20 and 50

25, 36
or 49

$$331 \div 4 =$$

82 r 3

$$74 \times 54 =$$

3996

$$563 + 437 = 1000$$

$$5.9 \times 9 =$$

53.1

$$7.43 + 9.08 =$$

16.51

$$3.26 - 2.43 =$$

0.83

L4
7

Answers

$$7.2 \div 7 =$$

7.2

$$\frac{2}{10}$$

fraction

=

$$0.2$$

decimal

=

$$20\%$$

percentage

BIG MATHS BEAT THAT!

Name: _____

$$6.92 \times 1000 =$$

6920

$$71.3 \div 1000 =$$

0.0713

Write these
numbers in order...

7.676

6.707

6.06

7.07

7.676

7.07

6.707

6.06

$$805 \div 35 =$$

23

$$802 \times 19 =$$

15238

$$1.5 + 8.5 = 10$$

$$26.35 + 8.9 =$$

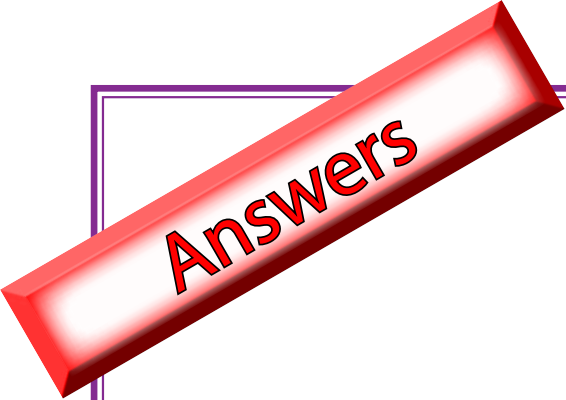
35.25

$$5.77 - 2.8 =$$

2.97

$$2.16 \times 6 =$$

12.96



Week Eight

Answers

9

$$\begin{array}{cc} \text{mouse} & \text{mouse} \\ \text{mouse} & \text{mouse} \end{array} + \begin{array}{cc} \text{mouse} & \text{mouse} \\ \text{mouse} & \text{mouse} \end{array} = 8$$

Name: _____



**BIG MATHS
BEAT THAT!**

Write these numbers in order

7	1	6
1	6	7

1 less than 6
is?

5

Double
5 is

10

$$8 + 2 = 10$$

$$4 + 5 =$$

9

Half of 8 is...

4

10 take away
3 is...

7

L1
8

Answers

60

7

Write out the
fact family
for:

$$4 + 7 = 11$$

$$11 - 4 = 7$$

$$7 + 4 = 11$$

$$11 - 7 = 4$$

Name: _____

$$40 + 50 =$$

90

BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

16

73

99

60

$$3 \times 7 =$$

21

Double
9 is

18

$$52 + 8 = 60$$

$$25 + 9 =$$

34

$$83 - 5 =$$

78

Half of 12 is...

6

L2
8

Answers

46

800

40

6

Write out the
fact family
for:

$$38 \times 11 = 418$$

$$418 \div 11 = 38$$

$$11 \times 38 = 418$$

$$418 \div 38 = 11$$

Name: _____

$$73 \times 10 =$$

730

$$940 \div 10 =$$

94

BIG MATHS BEAT THAT!

$$59 \div 3 =$$

19 r 2

$$70 \times 50 =$$

3500

9.4

9

0.4

$$43 + 57 = 100$$

$$381 + 532 =$$

913

$$609 - 277 =$$

332

$$69 \times 4 =$$

276

L3
8

Answers

1.212

1

0.2

0.01

0.002

$\frac{3}{4}$

=

0.75

=

75%

fraction

decimal

percentage

Name: _____

$$67 \times 100 =$$

6700

$$636 \div 10 =$$

63.6

BIG MATHS BEAT THAT!

Write three
factors of 40...

1,2,4

5,8,10

20,40

$$36 \times 85 =$$

3060

$$862 + 138 = 1000$$

$$601 \div 7 =$$

85 r 6

$$8.86 + 7.97 =$$

16.83

$$6.77 - 2.86 =$$

3.91

$$8.6 \times 7 =$$

60.2

L4
8

Answers

$$46 \div 8 =$$

4.6

$$\frac{3}{5}$$

fraction

=

0.6

decimal

=

60%

percentage

BIG MATHS BEAT THAT!

Name: _____

$$8.08 \times 1000 =$$

8080

$$31.9 \div 1000 =$$

0.0319

Write these
numbers in order...

1.9 1.119
1.91 1.19

1.91

1.9

1.19

1.119

$$704 \div 22 =$$

32

$$439 \times 81 =$$

35559

$$54.4 + 45.6 = 100$$

$$22.2 + 5.98 =$$

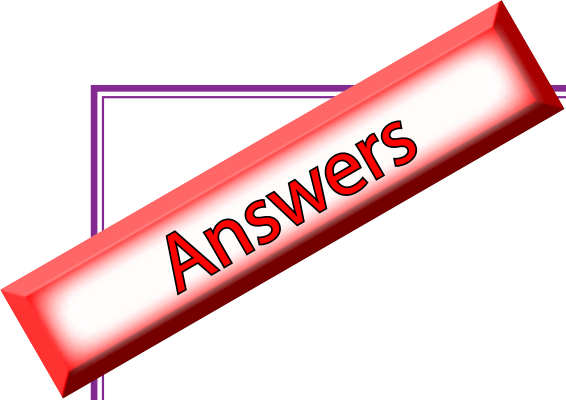
28.18

$$17.3 - 5.55 =$$

11.75

$$3.77 \times 7 =$$

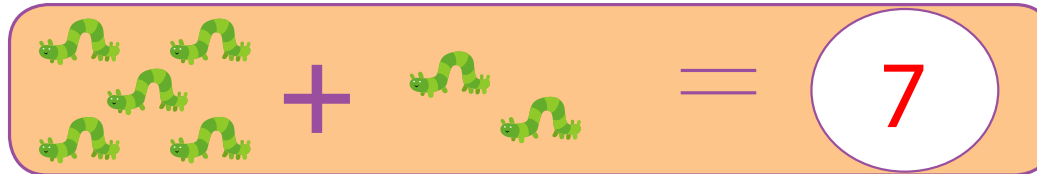
26.39



Week Nine

Answers

7


$$5 + 2 = 7$$

Name: _____

How many bananas?

6

**BIG MATHS
BEAT THAT!**

Write these numbers in order

6

4

5

4

5

6

1 more than 5
is?

6

Double
3 is

6

$$6 + 4 = 10$$

$$5 + 3 =$$

8

Half of 6 is...

3

8 take away
6 is...

2

Answers

Write out the
fact family
for:

$$5 + 8 = 13$$

$$13 - 5 = 8$$

$$8 + 5 = 13$$

$$13 - 8 = 5$$

Name: _____

$$60 + 30 =$$

90

BIG MATHS BEAT THAT!

Draw a ring around
the **odd** numbers

55

20

7

63

$$4 \times 3 =$$

12

Double
6 is

12

$$33 + \boxed{7} = 40$$

$$46 + 6 =$$

52

$$52 - 4 =$$

48

Half of 14 is...

7

Answers

900

10

1

Write out the
fact family
for:

$$66 + 19 = 85$$

$$85 - 19 = 66$$

$$19 + 66 = 85$$

$$85 - 66 = 19$$

Name: _____

$$58 \times 10 = 580$$

$$630 \div 10 = 63$$

BIG MATHS BEAT THAT!

$$63 \div 4 = 15 \text{ r } 3$$

$$20 \times 80 =$$

1600

4.5

4

0.5

$$38 + 62 = 100$$

$$239 + 475 =$$

714

$$828 - 356 =$$

472

$$58 \times 9 =$$

522

L3
9

Answers

1.884

4

0.8

0.08

0.004

$\frac{1}{10}$

fraction

=

0.1

decimal

=

10%

percentage

Name: _____

$$69 \times 100 =$$

6900

$$418 \div 10 =$$

41.8

BIG MATHS BEAT THAT!

Write a multiple
of 7 between 55
and 65

56 or
63

$$119 \div 6 =$$

19 r 5

$$98 \times 76 =$$

7448

$$857 + 143 = 1000$$

$$4.44 + 9.66 =$$

14.1

$$5.16 - 3.53 =$$

1.63

$$3.4 \times 4 =$$

13.6

L4
9

Answers

$$6 \div 6 =$$

9.6

$$\frac{6}{10}$$

fraction

=

$$0.6$$

decimal

=

$$60\%$$

percentage

BIG MATHS BEAT THAT!

Name: _____

$$8.68 \times 1000 =$$

8680

$$22.5 \div 1000 =$$

0.0225

Write these
numbers in order...

8.7
0.77
0.87
0.807

8.7

0.87

0.807

0.77

$$935 \div 17 =$$

55

$$532 \times 89 =$$

47348

$$5.6 + 4.4 = 10$$

$$8.05 \times 8 =$$

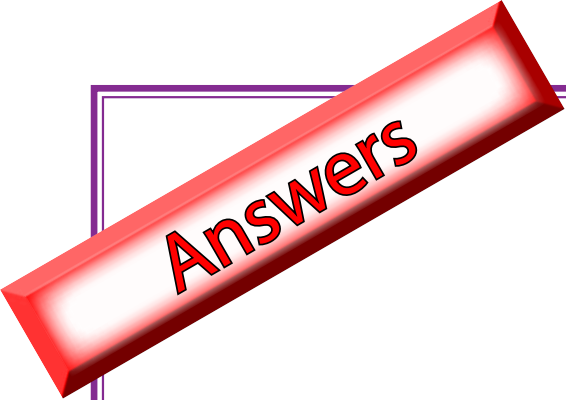
64.4

$$5.4 + 16.86 =$$

22.26

$$6.6 - 5.88 =$$

0.72



Week Ten

Answers

8



+



=

6

Name: _____

How many leavess?



7

BIG MATHS BEAT THAT!

Write these numbers in order

7

9

2

2

7

9

1 less than 9
is?

8

Double
1 is

2

$$9 + 1 = 10$$

$$3 + 5 =$$

8

Half of 12 is...

6

8 take away
6 is...

2

L1
10

Answers

Write out the
fact family
for:

$$8 + 4 = 12$$

$$12 - 4 = 8$$

$$4 + 8 = 12$$

$$12 - 8 = 4$$

Name: _____

$$90 + 30 =$$

120

BIG MATHS BEAT THAT!

Draw a ring around
the **even** numbers

24

75

40

13

$$6 \times 3 =$$

18

Double
8 is

16

$$65 + \boxed{5} = 70$$

$$94 + 7 =$$

101

$$31 - 8 =$$

23

Half of 18 is...

9

L2
10

Answers



Write out the
fact family
for:

$$41 \times 12 = 492$$

$$492 \div 41 = 12$$

$$12 \times 41 = 492$$

$$492 \div 12 = 41$$

Name: _____

$$76 \times 10 = 760$$
$$930 \div 10 = 93$$

BIG MATHS BEAT THAT!

$$71 \div 5 = 14 \text{ r } 1$$

$$50 \times 40 = 2000$$

2.9

2

0.9

$$74 + 26 = 100$$

$$529 + 447 =$$

976

$$645 - 278 =$$

367

$$87 \times 6 = 522$$

L3
10

Answers

3.305

6

0.3

0.00

0.005

$\frac{1}{2}$

=

0.5

=

50%

fraction

decimal

percentage

BIG MATHS BEAT THAT!

Name: _____

$$36 \times 100 =$$

3600

$$479 \div 10 =$$

47.9

Write a square
number between
50 and 70

64

$$329 \div 5 =$$

65 r 4

$$44 \times 66 =$$

2904

$$232 + 768 = 1000$$

$$6.4 \times 3 =$$

19.2

$$5.09 + 9.95 =$$

15.04

$$3.27 - 2.57 =$$

0.7

L4
10

Answers

$$12 \div 4 =$$

3.8

$\frac{9}{10}$

=

0.9

=

90%

fraction

decimal

percentage

BIG MATHS BEAT THAT!

Name: _____

$$4.38 \times 1000 =$$

4380

$$19.9 \div 1000 =$$

0.0199

Write these
numbers in order...

4.5

4.055

4.05

4.04

4.5

4.055

4.05

4.04

$$682 \div 11 =$$

62

$$461 \times 63 =$$

29043

$$66.6 + 33.4 = 100$$

$$34.1 + 7.34 =$$

41.44

$$11.1 - 8.88 =$$

2.22

$$6.89 \times 3 =$$

20.67

L5
10