

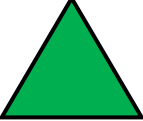

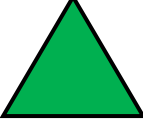
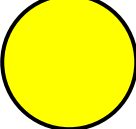

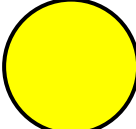

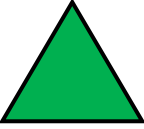
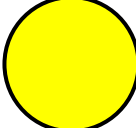
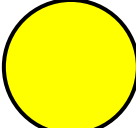
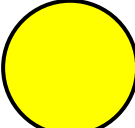
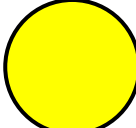
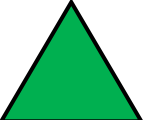


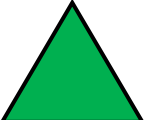
Today's challenge

Each shape stands for a number.

The numbers shown are the totals for each row or column.

Find the remaining totals.

Can you explain how you did it?

				<input type="text"/>
				<input type="text" value="25"/>
				<input type="text" value="20"/>
				<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="26"/>	

Solution

$$4 \text{ } \textcircled{\text{yellow}} = 20$$

So each circle has a value of $20 \div 4 = 5$

$$2 \text{ } \textcircled{\text{yellow}} + 2 \text{ } \triangle \text{ (green)} = 26$$

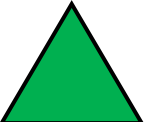

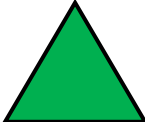
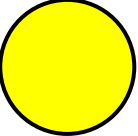

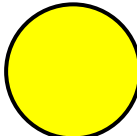

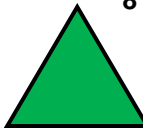
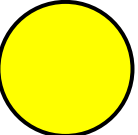
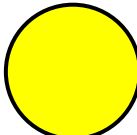
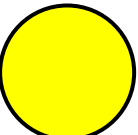
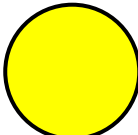




$$2 \times 5 + 2 \text{ } \triangle \text{ (green)} = 26. \text{ So } 2 \text{ } \triangle \text{ (green)} = 26 - 10 = 16$$

$$\text{So } \triangle \text{ (green)} = 16 \div 2 = 8$$

$$2 \text{ } \heartsuit \text{ (red)} + \textcircled{\text{yellow}} + \triangle \text{ (green)} = 25$$

$$2 \text{ } \heartsuit \text{ (red)} + 5 + 8 = 25$$

$$2 \text{ } \heartsuit \text{ (red)} = 25 - 5 - 8 \text{ so } 2 \text{ } \heartsuit \text{ (red)} = 12, \text{ } \heartsuit \text{ (red)} = 6$$

 8	 6	 8	 5
 6	 5	 6	 8
 5	 5	 5	 5
 8	 6	 6	 8

27

25

20

28

27

22

25

26