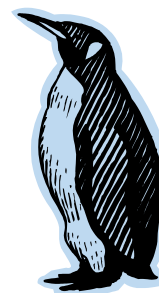


Name: _____ Date: _____

Penguin Parade

The penguins marched in the annual penguin parade. There was one penguin in the first row, two penguins in the second row and three penguins in the third row. If this pattern continued through the tenth row, how many penguins marched in the parade?



Challenge: Last year, penguins marched in the same pattern. There were more penguins last year and they made 15 full rows. How many penguins marched in last year's parade?

Name: Answer Key Date: _____

Penguin Parade



The penguins marched in the annual penguin parade. There was one penguin in the first row, two penguins in the second row and three penguins in the third row. If this pattern continued through the tenth row, how many penguins marched in the parade?

PLAN: I need to find out how many penguins were in all 10 rows so I made a table to show each row, how many penguins were in that row and how many penguins there were altogether.

Row	No. penguins in row	Total penguins
1	1	1
2	2	3
3	3	6
4	4	10
5	5	15
6	6	21
7	7	28
8	8	36
9	9	45
10	10	55

ANSWER: The table shows that there were 55 penguins marching in the parade if there were 10 full rows.

Challenge: Last year, penguins marched in the same pattern. There were more penguins last year and they made 15 full rows. How many penguins marched in last year's parade? Answer on back of this paper.

Challenge: Last year, penguins marched in the same pattern. There were more penguins last year and they made 15 full rows. How many penguins marched in last year's parade? Answer on back of this paper.

PLAN: Extend the table to include 15 rows.

Row	No. penguins in row	Total penguins
1	1	1
2	2	3
3	3	6
4	4	10
5	5	15
6	6	21
7	7	28
8	8	36
9	9	45
10	10	55
11	11	66
12	12	78
13	13	91
14	14	105
15	15	120

ANSWER: The table clearly shows that 120 penguins marched in last year's parade if there were 15 full rows.