

Extend a sequence with a constant multiplier

NAME	DATE	SCORE / 10
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1 Write the next two numbers in this pattern.

4, 8, 16, 32, ,

2 A scientist counts the cells in a dish every hour: 4, 16, 64, 256. Each hour, the number of cells is multiplied by the same number. How many cells will there be in each of the next two hours?

3 Write the next two numbers in this pattern.

2, 8, 32, 128, ,

4 In a game, the points for levels 1 to 4 are 17, 34, 68, 136. The points for each level are the points for the level before, multiplied by the same number. How many points are levels 5 and 6 worth?

5 Write the next two numbers in this pattern.

19, 38, 76, 152, ,

6 A scientist counts the cells in a dish every hour: 16, 32, 64, 128. Each hour, the number of cells is multiplied by the same number. How many cells will there be in each of the next two hours?

- 7** Write the next two numbers in this pattern.

24, 48, 96, 192, ,

- 9** Write the next two numbers in this pattern.

13, 26, 52, 104, ,

- 8** A scientist counts the cells in a dish every hour: 4, 12, 36, 108. Each hour, the number of cells is multiplied by the same number. How many cells will there be in each of the next two hours?

- 10** A scientist counts the cells in a dish every hour: 3, 15, 75, 375. Each hour, the number of cells is multiplied by the same number. How many cells will there be in each of the next two hours?

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1 64, 128

3 512, 2048

5 304, 608

7 384, 768

9 208, 416

2 1024, 4096

4 272, 544

6 256, 512

8 324, 972

10 1875, 9375
