

Geometry Puzzles

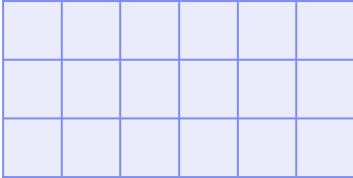
Concept — ANSWER KEY

Count squares; walk the fence.

Think: Area = rows $\times$ columns of unit squares. Perimeter = the walk around the outside edge.

1. Answers with the thinking.

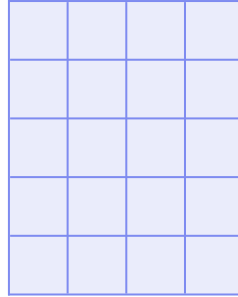
1) Each small square is 1 cm on a side. What is the AREA of this rectangle, in square cm?



Answer: 18

↳ 3 rows $\times$ 6 columns

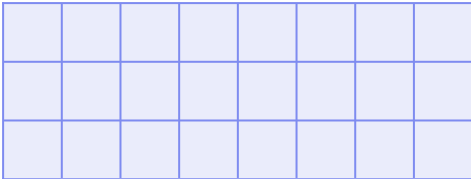
2) Each small square is 1 cm on a side. What is the AREA of this rectangle, in square cm?



Answer: 20

↳ 5 rows $\times$ 4 columns

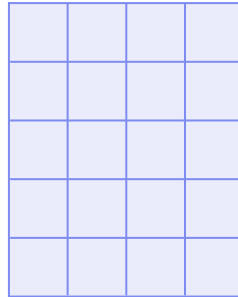
3) Each small square is 1 cm on a side. What is the PERIMETER of this rectangle, in cm?



Answer: 22

↳ $2 \times (3 + 8)$

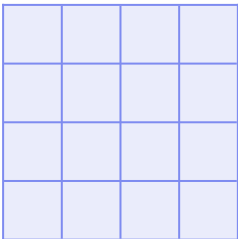
4) Each small square is 1 cm on a side. What is the PERIMETER of this rectangle, in cm?



Answer: 18

↳ $2 \times (5 + 4)$

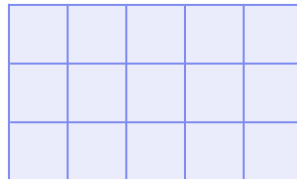
5) Each small square is 1 cm on a side. What is the PERIMETER of this rectangle, in cm?



Answer: 16

↳ $2 \times (4 + 4)$

6) Each small square is 1 cm on a side. What is the AREA of this rectangle, in square cm?



Answer: 15

↳ 3 rows $\times$ 5 columns