

Geometry Puzzles

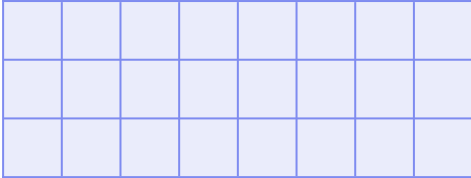
Concept — ANSWER KEY

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.

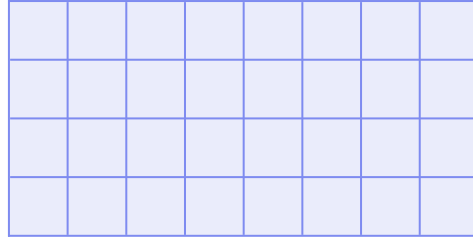
- 1) Each small square is 1 cm on a side. What is the AREA of this rectangle, in square cm?



Answer: 24

↳ 3 rows $\times$ 8 columns

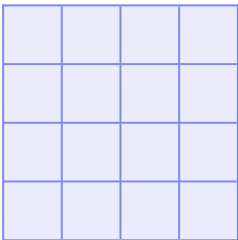
- 2) Each small square is 1 cm on a side. What is the PERIMETER of this rectangle, in cm?



Answer: 24

↳ $2 \times (4 + 8)$

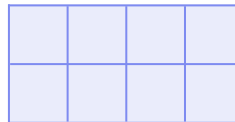
- 3) Each small square is 1 cm on a side. What is the AREA of this rectangle, in square cm?



Answer: 16

↳ 4 rows $\times$ 4 columns

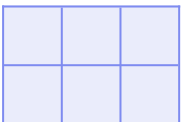
- 4) Each small square is 1 cm on a side. What is the PERIMETER of this rectangle, in cm?



Answer: 12

↳ $2 \times (2 + 4)$

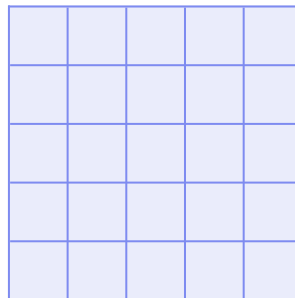
- 5) Each small square is 1 cm on a side. What is the PERIMETER of this rectangle, in cm?



Answer: 10

↳ $2 \times (2 + 3)$

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



Answer: 20

↳ $2 \times (5 + 5)$