

# Geometry Puzzles

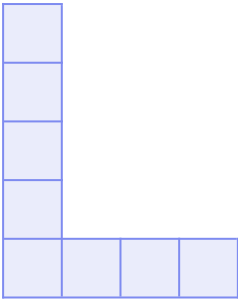
## Practice — ANSWER KEY

Cut a corner — what changes?

**Think:** Cutting a corner rectangle out SHRINKS the area but keeps the perimeter the SAME.

### 1. Answers with the thinking.

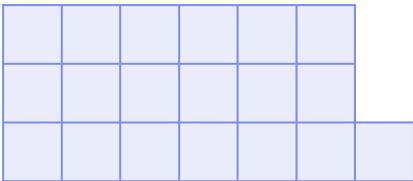
- 1) A  $4 \times 3$  corner was cut from this  $5 \times 4$  rectangle. What is the AREA of the remaining shape, in square cm?



**Answer: 8**

↳  $20 - 12$

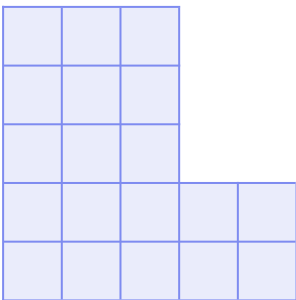
- 3) A  $2 \times 1$  corner was cut from this  $3 \times 7$  rectangle. What is the AREA of the remaining shape, in square cm?



**Answer: 19**

↳  $21 - 2$

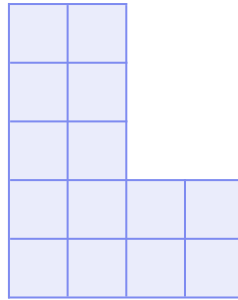
- 5) A  $3 \times 2$  corner was cut from this  $5 \times 5$  rectangle. What is the PERIMETER of the remaining shape, in cm?



**Answer: 20**

↳ surprise — same as the full rectangle:  $2 \times (5 + 5)$

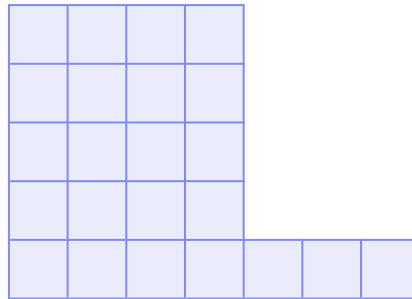
- 2) A  $3 \times 2$  corner was cut from this  $5 \times 4$  rectangle. What is the AREA of the remaining shape, in square cm?



**Answer: 14**

↳  $20 - 6$

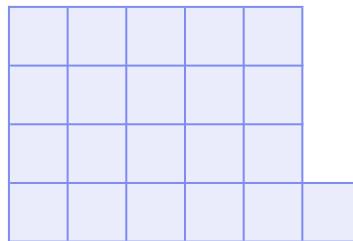
- 4) A  $4 \times 3$  corner was cut from this  $5 \times 7$  rectangle. What is the AREA of the remaining shape, in square cm?



**Answer: 23**

↳  $35 - 12$

- 6) A  $3 \times 1$  corner was cut from this  $4 \times 6$  rectangle. What is the AREA of the remaining shape, in square cm?



**Answer: 21**

↳  $24 - 3$