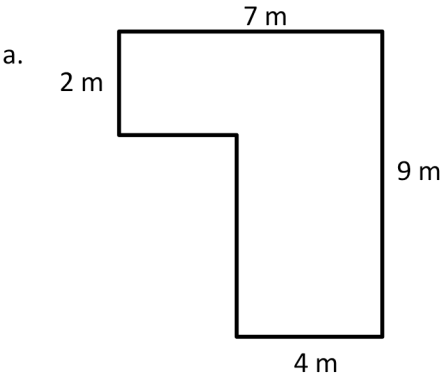
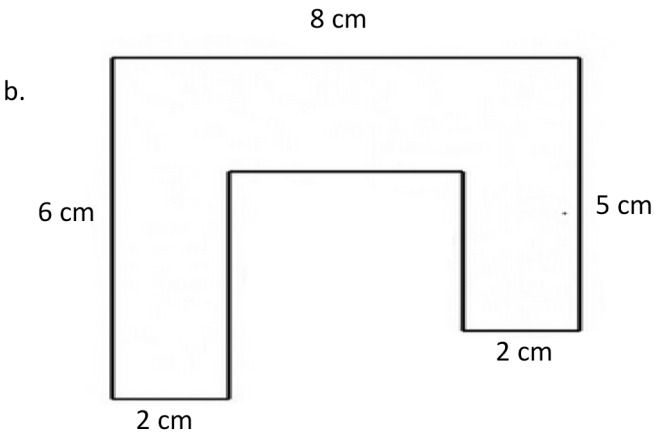


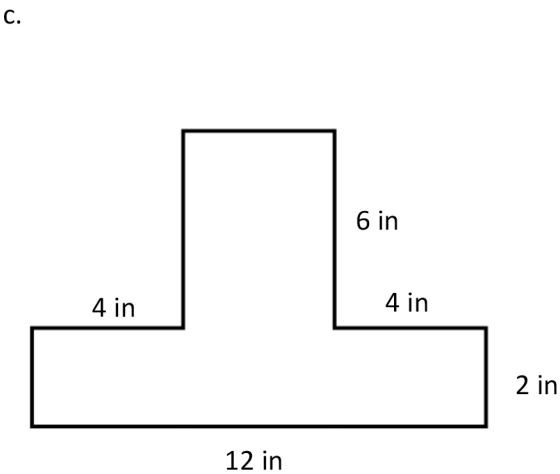
1. The shapes below are made up of rectangles. Label the missing side lengths. Then write and solve an equation to find the perimeter of each shape.



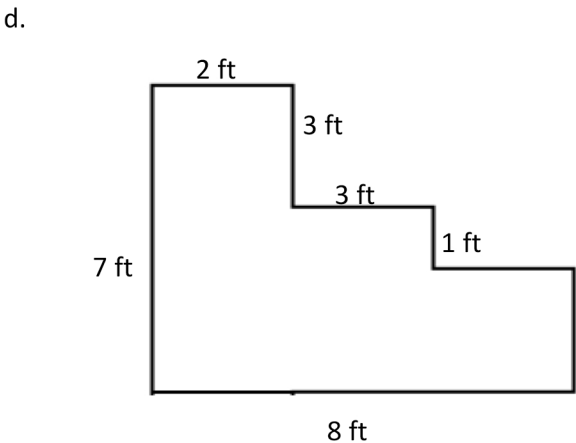
P =



P =

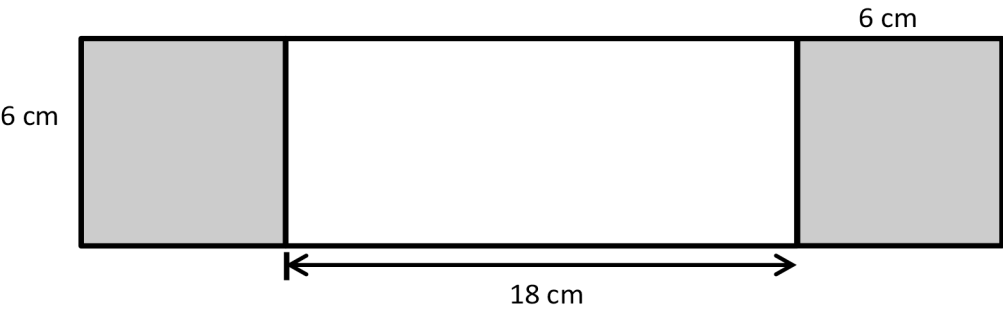


P =

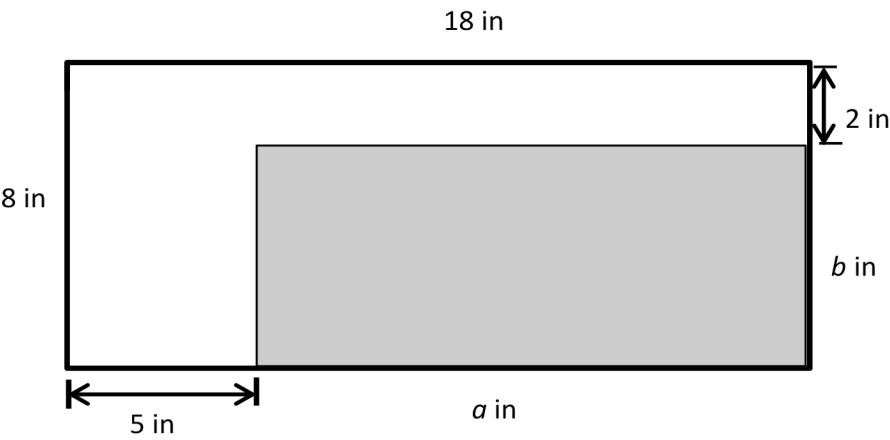


P =

2. Sari draws and labels the square and rectangle below. Find the perimeter of the new shape.



3. Label the missing side lengths. Then find the perimeter of the shaded rectangle.



## Answer Key

1.
  - a. Labeled 3 m, 7 m;  $P = (2 \times 7 \text{ m}) + 3 \text{ m} + 2 \text{ m} + 9 \text{ m} + 4 \text{ m} = 32 \text{ m}$  (equations may vary)
  - b. Labeled 4 cm;  $P = (2 \times 2 \text{ cm}) + (2 \times 4 \text{ cm}) + 3 \text{ cm} + 5 \text{ cm} + 6 \text{ cm} + 8 \text{ cm} = 34 \text{ cm}$  (equations may vary)
  - c. Labeled 2 in, 6 in, 4 in;  $P = (2 \times 2 \text{ in}) + (3 \times 4 \text{ in}) + (2 \times 6 \text{ in}) + 12 \text{ in} = 40 \text{ in}$  (equations may vary)
  - d. Labeled 3 ft, 3 ft;  $P = (4 \times 3 \text{ ft}) + 1 \text{ ft} + 2 \text{ ft} + 7 \text{ ft} + 8 \text{ ft} = 30 \text{ ft}$  (equations may vary)
2. 72 cm
3.  $a = 13 \text{ in}$ ,  $b = 6 \text{ in}$ ; 38 in