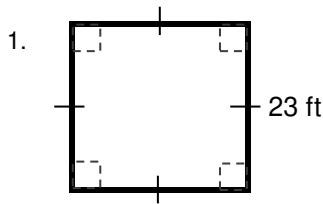


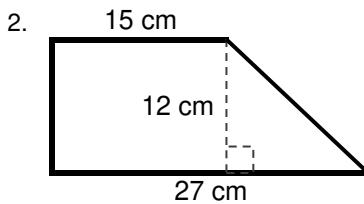
AREA

Find the area of each shape below.



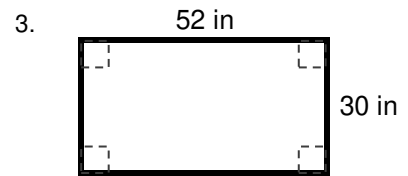
Square

Area: $23 \times 23 = 529$ square ft



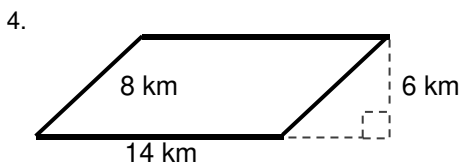
Trapezoid or Trapezium

Area: $(15+27)/2 \times 12 = 252$ sq cm



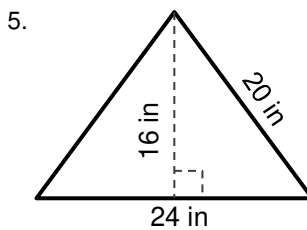
Rectangle

Area: $30 \times 52 = 1,560$ sq in



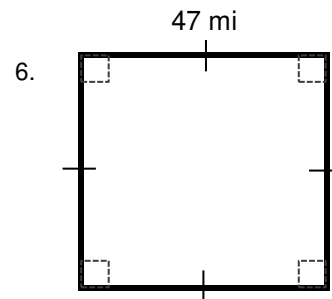
Parallelogram

Area: $14 \times 6 = 84$ sq km



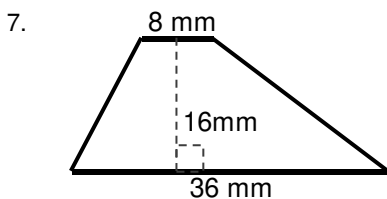
Triangle

Area: $(24 \times 16) / 2 = 192$ sq in



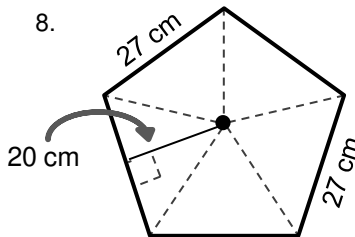
Square

Area: $47 \times 47 = 2,209$ sq mi



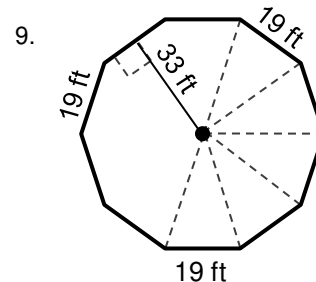
Trapezoid or Trapezium

Area: $(8+36)/2 \times 16 = 352$ sq mm



Regular Pentagon

Area: $(27 \times 20) / 2 = 270 \times 5 = 1,350$ sq cm

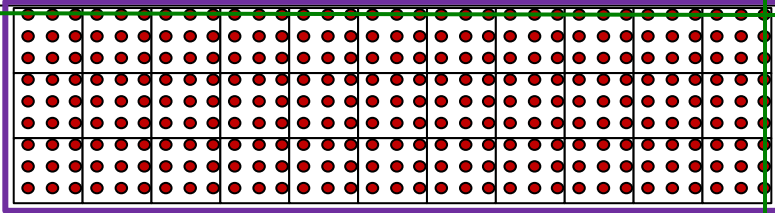


Regular Decagon

Area: $(19 \times 33) / 2 = 313.5 \times 10 = 3,135$ sq ft

10. Raymond's 11 by 3 meter garden is surrounded by a wooded fence. He wants to plant carrots, but each carrot needs 33 centimeters of space around it to grow. Help Raymond figure out the maximum number of carrots he can plant? Note: There is no spacing between the garden and the fence.

The garden is: $11 \times 3 = 33$ square meters, but each carrot needs .33 meters around it and the garden is surround by a fence.



The answer cannot use 9 per square because the yard is fenced. Some of the outside ones will not have enough room. You will need to cancel out a row and column of carrots.

The answer: $11 \times 3 = 33 \times 9 = 297$
 $297 - 33 = 264 - 8 = 256$ carrots.