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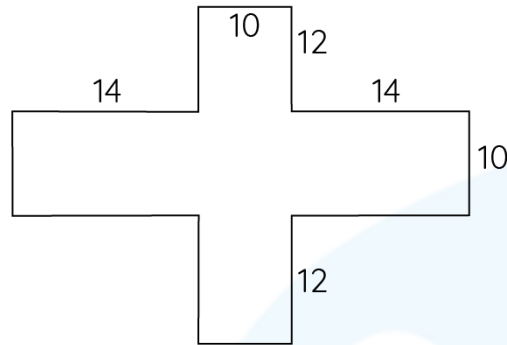**Personalized Attention**

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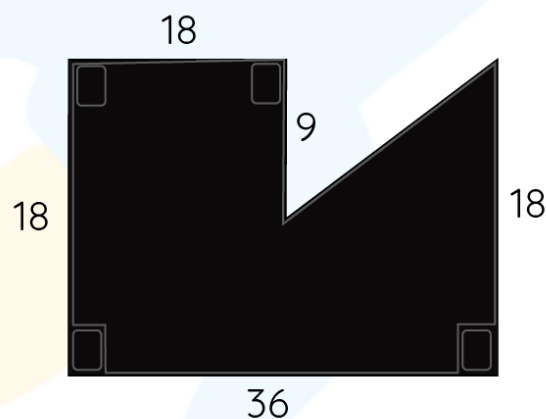
Get the Cuemath advantage
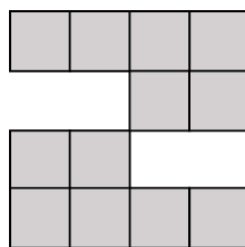
Area Of Compound Shapes Worksheets

1) Find the area of given shape.

2) Shane works in a carpenter workshop. He created the following shape and wants to find the area of the shape. Calculate the area in square units.
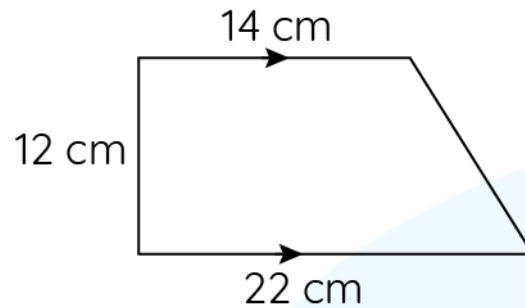

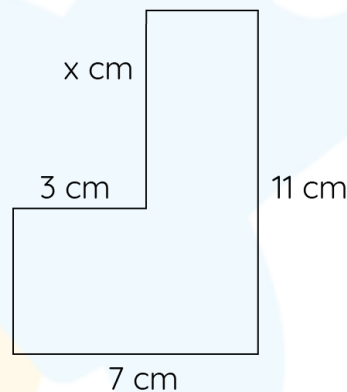3) Find the area of the following composite shape if the area of 1 block is 5   .
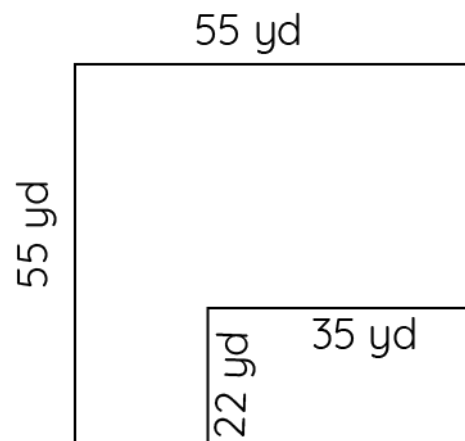

Area = (_____) ft²

4) Smith constructs a swimming pool in his backyard. The shape and dimension of the pool is given in the following figure. Calculate the area of the water surface.
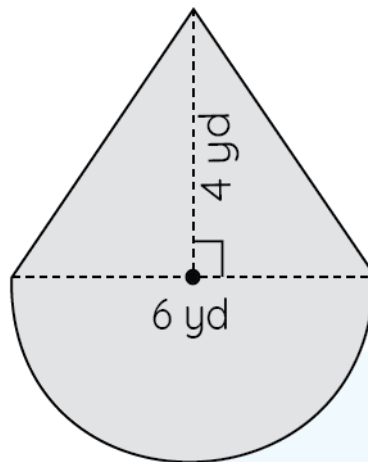
14 cm

12 cm

22 cm

5) Find the value of x in the given figure, if its area is 62 cm^2.

x cm

3 cm   11 cm

7 cm

6) Write the expression to calculate the area of the given L shape.
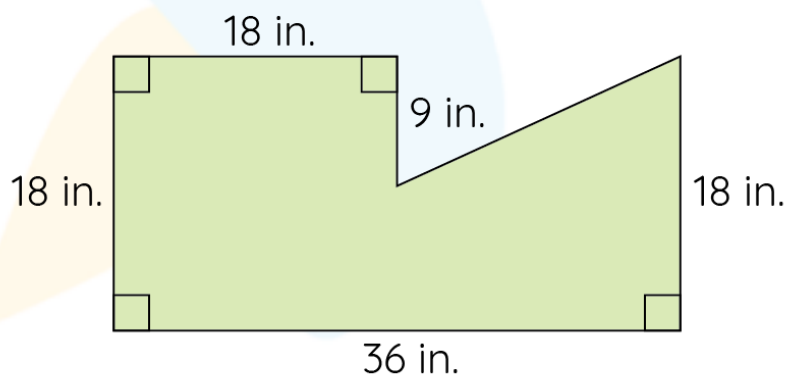
55 yd

55 yd

22 yd   35 yd

7) Find the area of the shaded region in square units.

8) A circle of radius 7 in has a square cut out in the center, with each side measuring 4 in. Find the area of the resultant shape.

9) Which of the following options is correct for the area of the given shape.

a) $567\ in^2$
b) $576\ in^2$
c) $527\ in^2$
d) None of the above

10) State whether true or false:
The area of a rhombus with each side 7 units is 49 square units.

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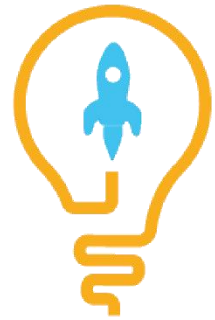
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1)	620 square units
2)	567 square units
3)	60
4)	216 cm^2
5)	5 cm
6)	$55 \times 55 - 22 \times 35 \ yd^2$
7)	26.13 yd^2
8)	138 in^2
9)	a)
10)	True

FUN FACT

1. In the 7th century CE, Brahmagupta developed a formula, now known as Brahmagupta's formula, for the area of a cyclic quadrilateral.

2. Four dimensional shapes made of polygons are called polychorons, and shapes made of polygons of any dimension are polytopes.

3. The formula to calculate the area of a triangle using half base height formula was given by the Indian mathematician Aryabhata in 499.