



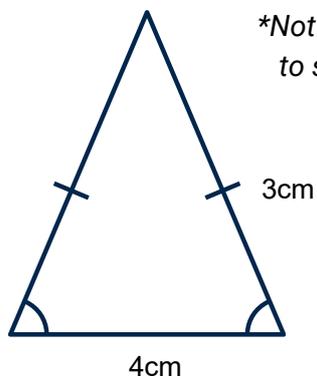
KS2 AREA, PERIMETER & VOLUME BOOKLET

NI TUTOING SCHOOL



1

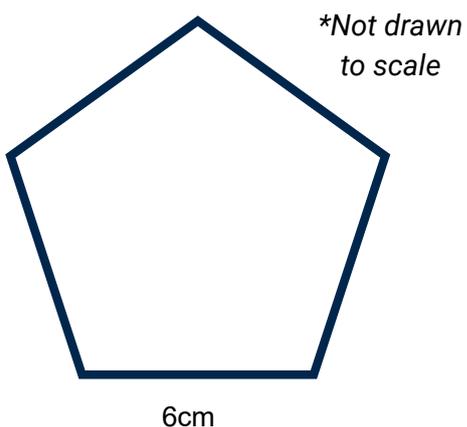
What is the perimeter of the triangle below?



_____ cm

2

The pentagon below is regular. What is the perimeter of the pentagon?



_____ cm

3

What is the perimeter of the rectangle?

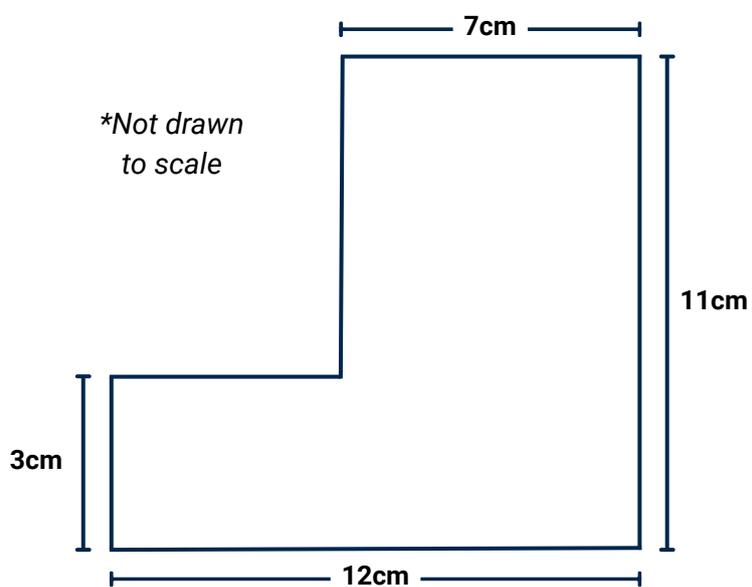


_____ cm



4

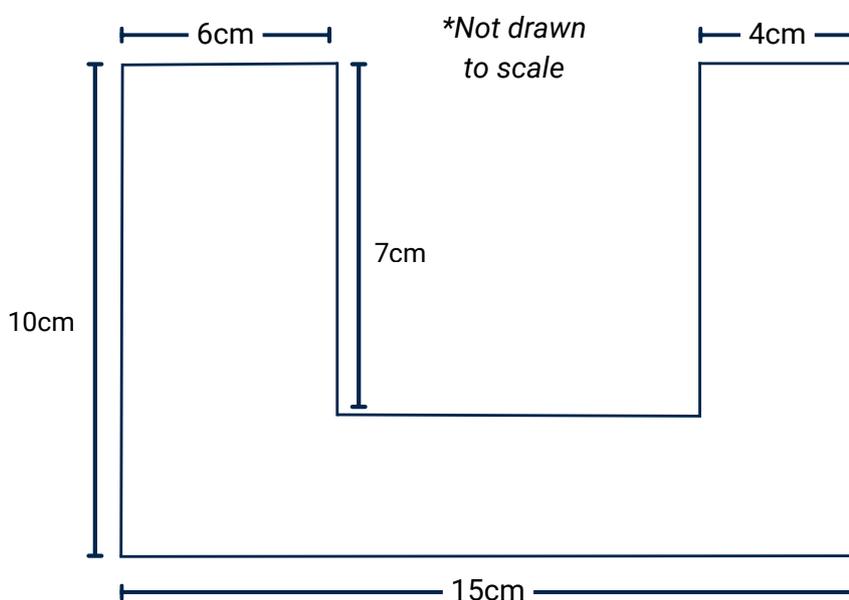
What is the perimeter of this composite shape?



- A 41cm B 40cm C 33cm D 46cm E 38cm

What is the perimeter of this composite shape?

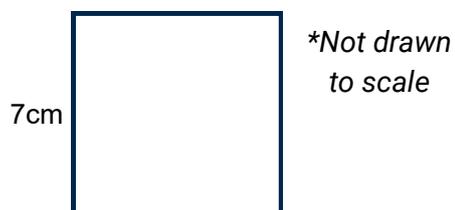
5



- A 42cm B 59cm C 64cm D 52cm E 49cm

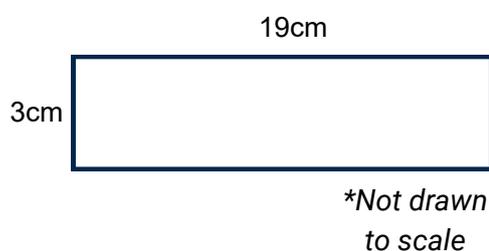


6 What is the area of this square?



_____ cm^2

7 What is the area of this rectangle?



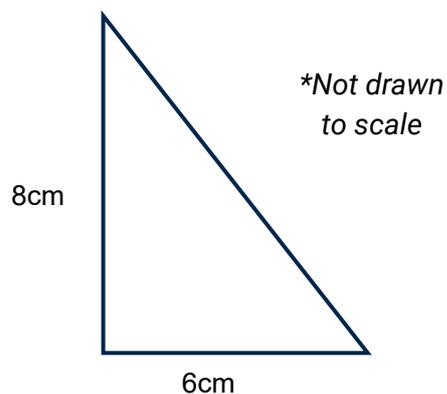
_____ cm^2

8 What is the area of this rectangle?



_____ cm^2

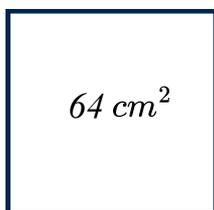
9 Calculate the area of the triangle below.



_____ cm^2



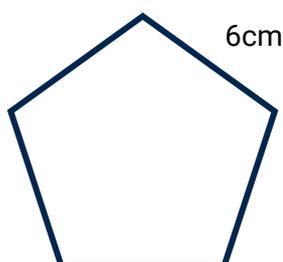
- 10** The area of this square is 64 cm^2 . What is the length of one side?



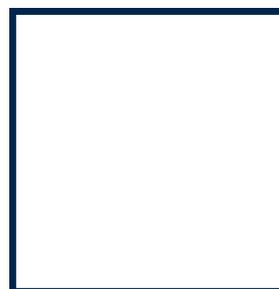
**Not drawn to scale*

_____ cm

- 11** A regular pentagon has side length 6 cm . It has the same perimeter as a square.



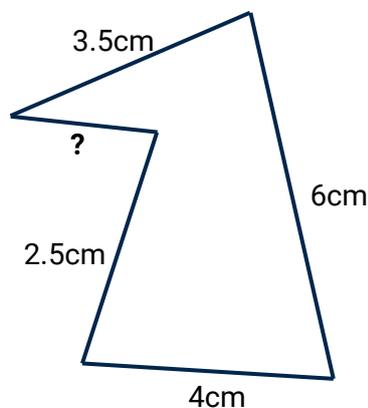
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What is the length of one side of the square?

- A 6 cm B 8 cm C 5 cm D 30 cm E 7.5 cm

- 12** The shape below is a pentagon. Four of its sides are labelled. The perimeter of the pentagon is 17.5 cm . What is the length of the missing side?



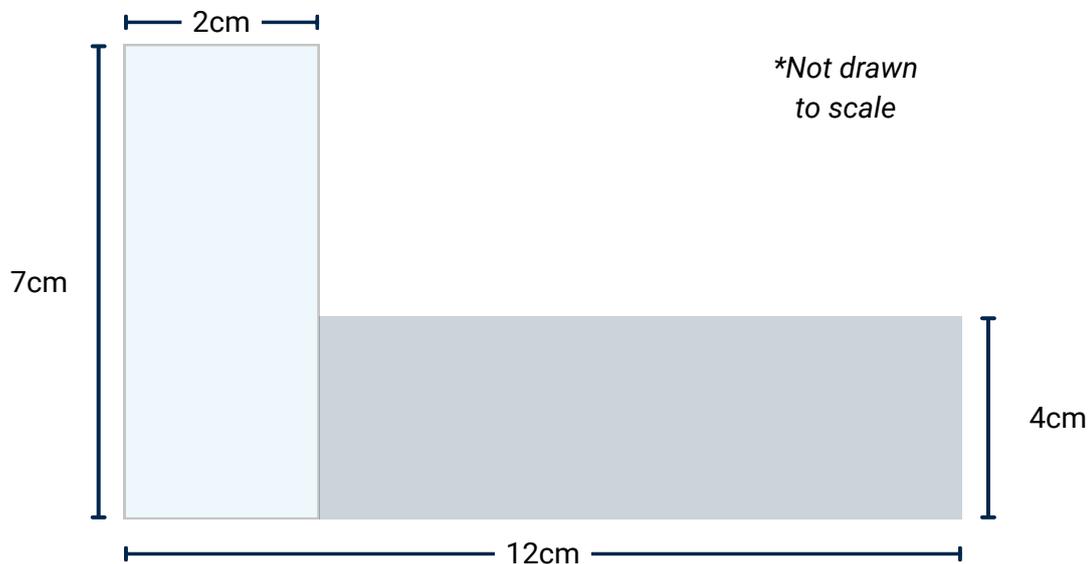
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- A 2.5 cm B 3.5 cm C 1 cm D 1.5 cm E 2 cm



13

What is the area of this composite shape?



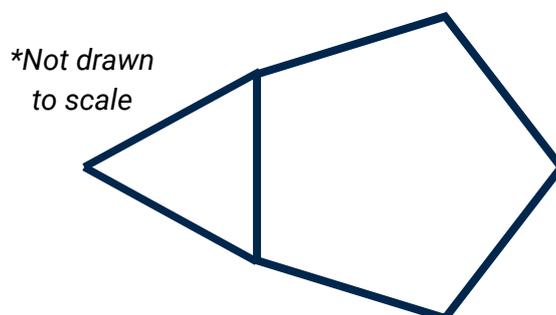
- A** 68 cm² **B** 56 cm² **C** 62 cm² **D** 48 cm² **E** 44 cm²

14

Shown below is a hexagon formed by joining an equilateral triangle to a regular pentagon along one side.

The perimeter of the equilateral triangle is 18 cm.

What is the perimeter of the hexagon?



- A** 36 cm **B** 48 cm **C** 42 cm **D** 30 cm **E** 24 cm

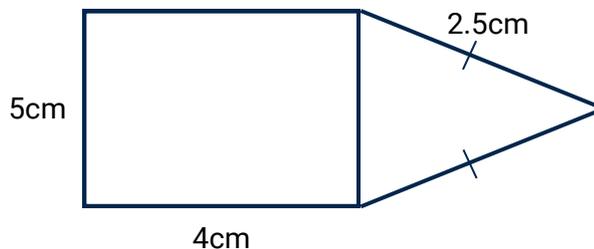


15

Shown below is a pentagon formed by joining a rectangle and an isosceles triangle.

What is the perimeter of the pentagon?

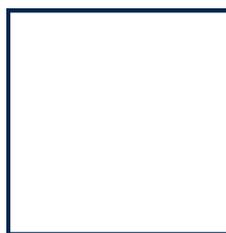
**Not drawn to scale*



- A 11.5 cm B 16.5 cm C 14 cm D 18 cm E 19 cm
-

16

The perimeter of this square is 40 cm. What is the area of the square?



**Not drawn to scale*

- A 80 cm² B 200 cm² C 40 cm² D 100 cm² E 160 cm²
-

17

The height of a rectangle is 7 cm. The width of the rectangle is three times as long.

What is the area of the rectangle?

7cm



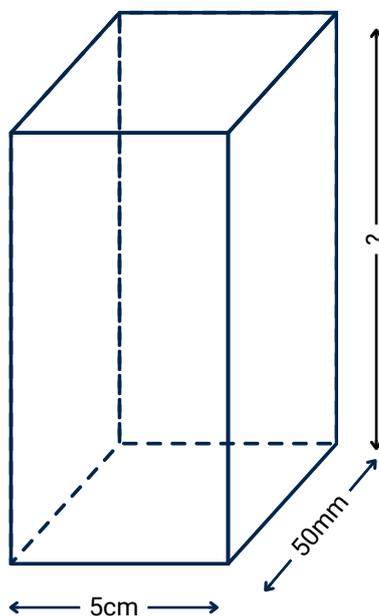
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- A 21 cm² B 98 cm² C 147 cm² D 105 cm² E 70 cm²



18

The cuboid below has a volume of 250 cm^3 .
What is the height of the cuboid?



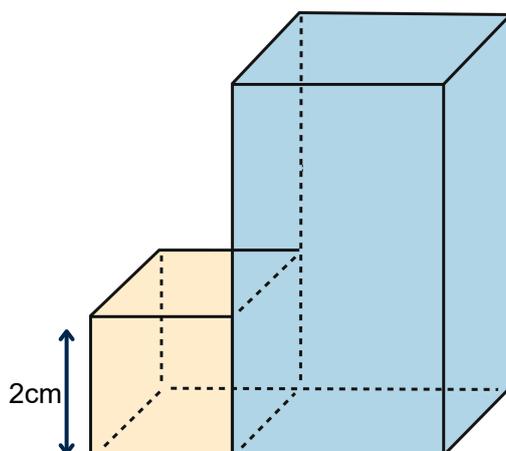
**Not drawn to scale*

- A 5 cm B 15 cm C 10 cm D 1 cm E 25 cm

19

Shown below is a cube and a cuboid joined together.
The height of the cube is 2 cm.
The volume of the cuboid is 4 times the volume of the cube.

What is the total volume of both shapes together?



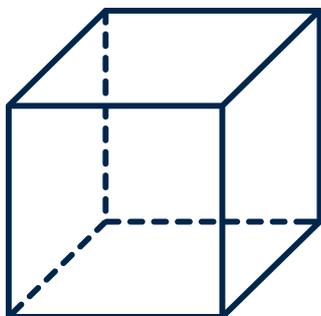
**Not drawn to scale*

- A 16 cm^3 B 20 cm^3 C 40 cm^3 D 48 cm^3 E 32 cm^3



20

The volume of this cube is 125 cm^3 .
What is the length of one side of the cube?



_____ cm

END



Answers