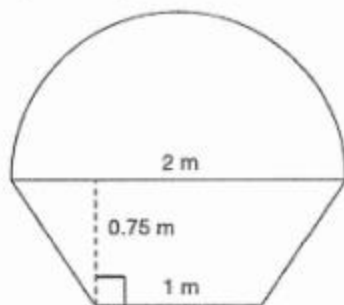


6

The Cutie Cupcake Company is having a sign made. The sign will be a semicircle on top of a trapezoid.

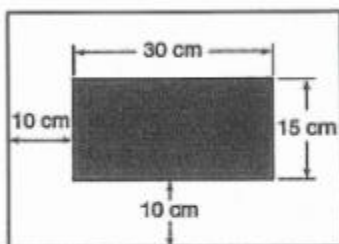


Which of the following is closest to the total area of the sign?

- a 4.27 m^2
- b 2.70 m^2
- c 1.57 m^2
- d 1.13 m^2

14

A picture measures 30 cm by 15 cm. The mat around the picture is 10 cm wide as shown.

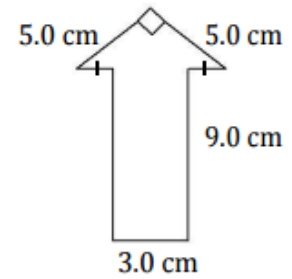


Find the area of the mat.

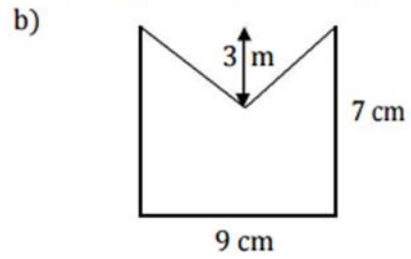
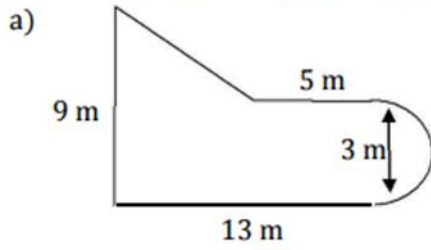
- A 450 cm^2
- B 1000 cm^2
- C 1200 cm^2
- D 1300 cm^2

3. Bradley is planning a garage sale. To direct customers to his house, he is painting six arrow signs.

- Calculate the area of one sign.
- Each can of paint can covers 10 cm^2 . How many cans of paint should Bradley buy for all six signs. Explain your answer.

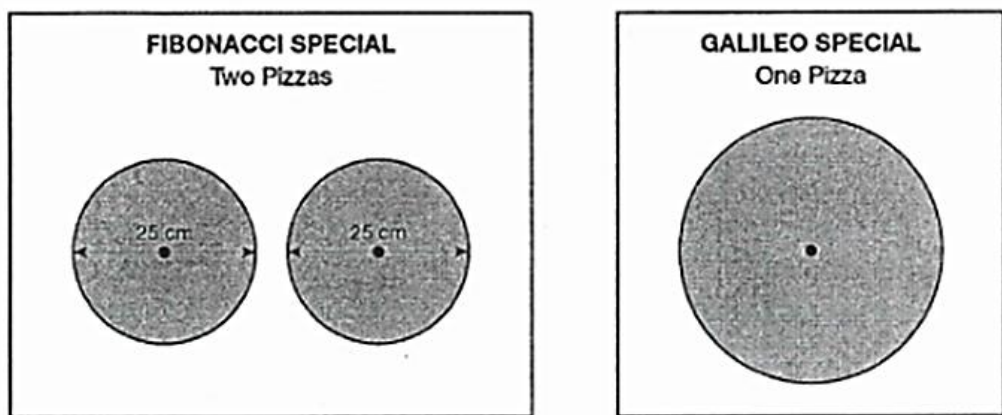


1. Calculate the area and perimeter, *to the nearest tenth*, of each of the figures.



Pizza Puzzle

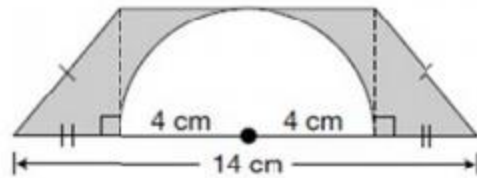
One weekend, a pizza shop offers two specials for the same price. The pizzas are all the same thickness.



Determine the diameter of the Galileo Special if the two specials contain the same amount of pizza. Show the work.

32 Something's Missing

The semicircle in the diagram below has a radius of 4 cm.



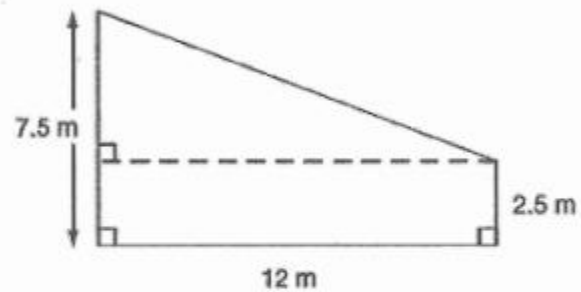
What is the area of the shaded region?

Show your work.

9

Paint Purchase

Jackson is buying paint for his wall.

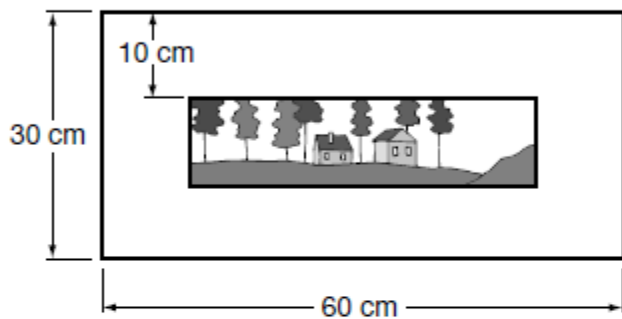


One litre of paint will cover 9 m^2 .

How many litres of paint does he need to cover the wall?

Justify your answer/

7. The frame of a picture measures 60 cm by 30 cm. The border around the picture is 10 cm wide.



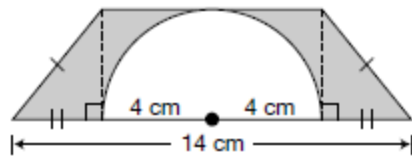
What are the dimensions of the picture?

- A $40\text{ cm} \times 10\text{ cm}$
- B $50\text{ cm} \times 20\text{ cm}$
- C $50\text{ cm} \times 30\text{ cm}$
- D $60\text{ cm} \times 30\text{ cm}$

9.

Something's Missing

The semicircle in the diagram below has a radius of 4 cm.

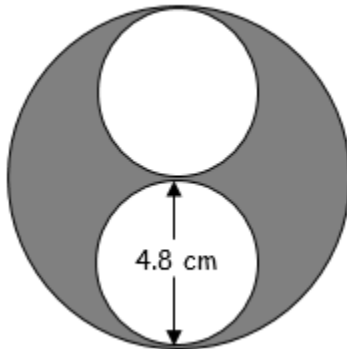


What is the area of the shaded region?

Show your work.

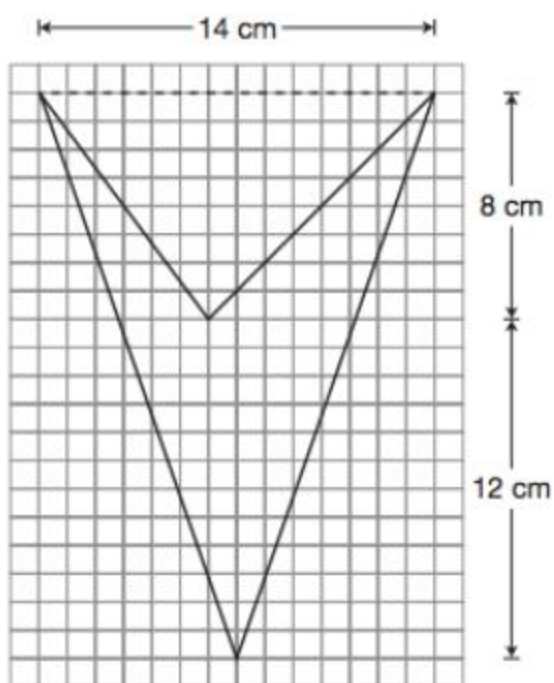
Find the area of the shaded region

c)



1.

- 19** What is the area of the shape represented below?

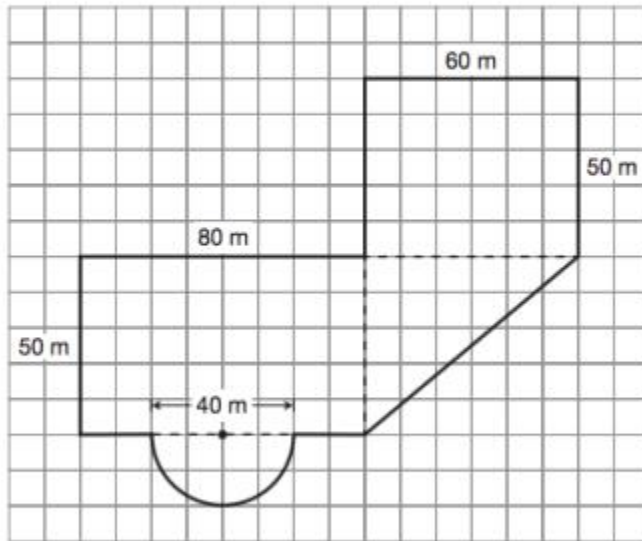


- a 28 cm^2
- b 56 cm^2
- c 84 cm^2
- d 168 cm^2

2.

Grid School

The diagram on the grid below represents the shape of a school.



Determine the total area of the shape of the school.

Show your work.