

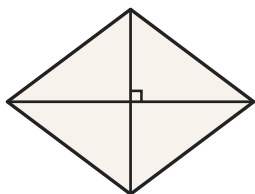
Pythagoras: Finding the Hypotenuse



1



The diagonals of this rhombus are 12 cm and 9 cm. Work out the length of one side of the rhombus.



Not drawn accurately

Answer _____

2



A square has an area of 72 cm^2 .
Work out the length of its diagonal.

Answer _____

3



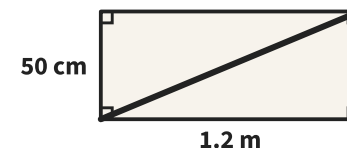
Work out the distance between the points $(-4, 3)$ and $(5, -1)$.
Give your answer to 1 decimal place.

Answer _____

4



A rectangular gate has a straight wooden brace from one corner to the opposite corner. How long is the brace?



Not drawn accurately

Answer _____

5



A rectangle has a perimeter of 62 cm and a length of 24 cm. Work out the length of its diagonal.

Answer _____

6



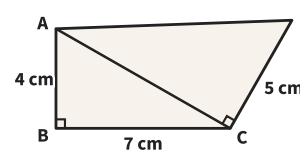
A delivery robot drives 3 m east, 5 m north, 4 m east and then 1 m north. How far is it from where it started, in a straight line? Give your answer to 1 decimal place.

Answer _____

7



Work out the perimeter of the quadrilateral ABCD. Give your answer to 1 decimal place.



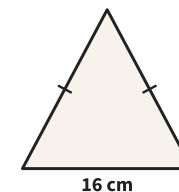
Not drawn accurately

Answer _____

8



This isosceles triangle has an area of 120 cm^2 . Work out its perimeter.



Not drawn accurately

Answer _____