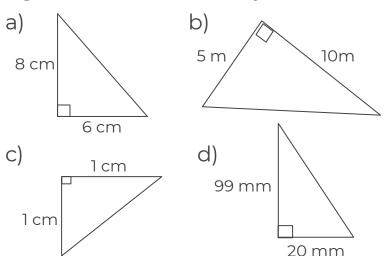


1. Find the missing length of each right-angled triangle.

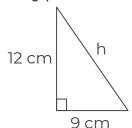
Round your answer to 3 significant figures where necessary.



2. Dani walks 2.5 km east and 5.4 km north.

If he had taken a direct route, how far would he have walked?

3. Teddy is working out the length of the hypotenuse.



$$9^{2} + 12^{2} = h^{2}$$

 $18 + 24 = h^{2}$
 $42 = h^{2}$
 $h = 6.48 \text{ cm}$

He is wrong.

What mistake has he made?

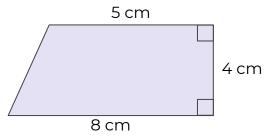


4. Sofia says you cannot draw a 10 cm line inside this rectangle.

Is she correct?



5. Find the perimeter of the trapezium.



6. Ollie wants to buy a new TV but it has to fit in his TV cabinet. He measures the space inside the cabinet.



TV's are available in 35", 45", 55" or 65". 1 inch = 2.5 cm, what is the maximum TV screen size Ollie can fit in the cabinet?

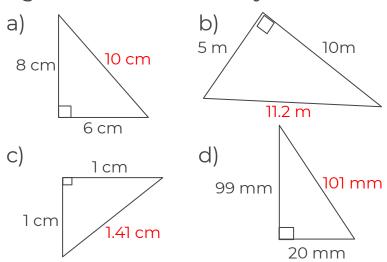


Answers



1. Find the missing length of each right-angled triangle.

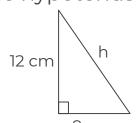
Round your answer to 3 significant figures where necessary.



2. Dani walks 2.5 km east and 5.4 km north.

If he had taken a direct route, how far would he have walked? 5.95 km

3. Teddy is working out the length of the hypotenuse.



$$9^{2} + 12^{2} = h^{2}$$

 $18 + 24 = h^{2}$
 $42 = h^{2}$
 $h = 6.48 \text{ cm}$

He is wrong. $9^{2} = 81, 12^{2} = 144$

What mistake has he made?

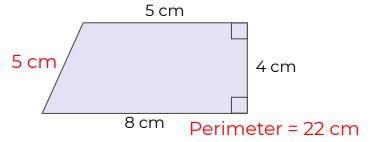


4. Sofia says you cannot draw a 10 cm line inside this rectangle.

Is she correct?



5. Find the perimeter of the trapezium.



6. Ollie wants to buy a new TV but it has to fit in his TV cabinet. He measures the space inside the cabinet.



TV's are available in 35", 45", 55" or 65". 1 inch = 2.5 cm, what is the maximum TV screen size Ollie can fit in the cabinet? 45"

