

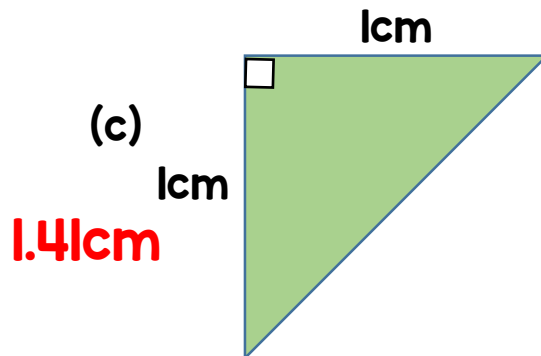
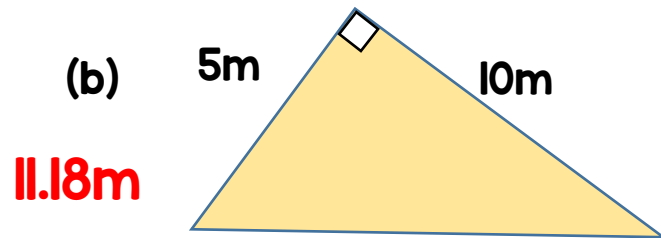
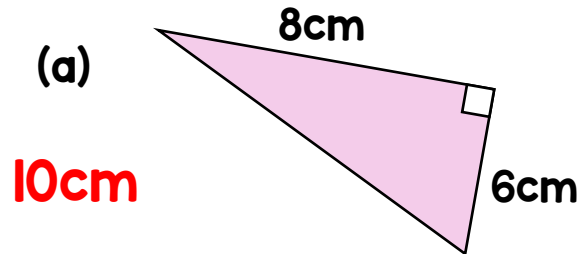
Summer Term Maths Year 10

Use Pythagoras' Theorem to find the longest side

Day 2

Week 11

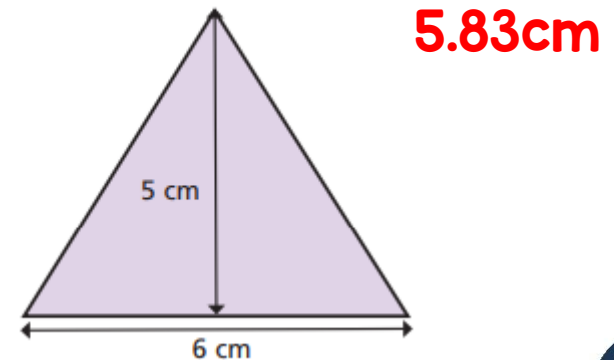
- 1 Find the missing length in each of these right-angled triangles.



- 2 Dani walks 2.7 km east and 5.4 km north. If he had taken a direct route, how far would he have walked?

6.04km

- 3 Find the missing side lengths of the isosceles triangle giving your answer to 2 decimal places.



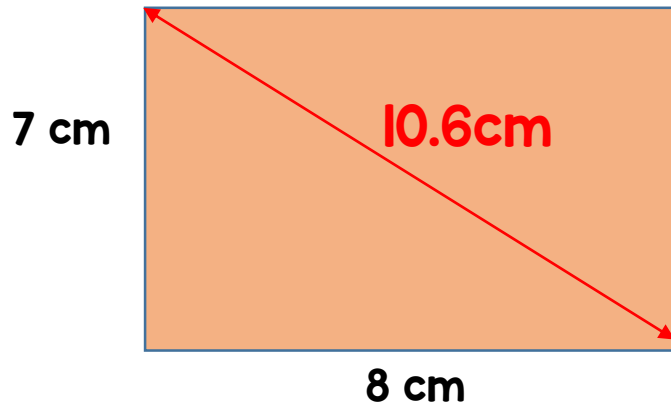
Summer Term Maths Year 10

Use Pythagoras' Theorem to find the longest side

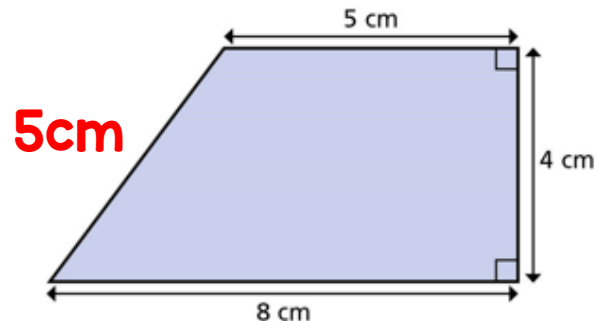
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- 4 Sofia says you cannot draw a 10cm line inside this rectangle. Is she right? **Yes**



- 5 Find the perimeter of the trapezium. **22cm**

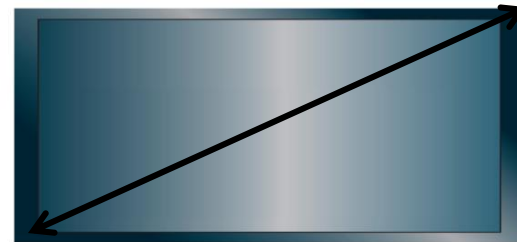


- 6 Ollie wants to buy a new TV but it has to fit in his TV cabinet. He measures the space inside the cabinet.

The height is 50cm

The base length is 120cm

TVs are available in the following screen sizes: 35" 45" 55" or 65"



If 1 inch is 2.5 cm, what is the maximum TV screen size Ollie can fit in the TV cabinet? **45"**
(hypotenuse is 130cm/52")