

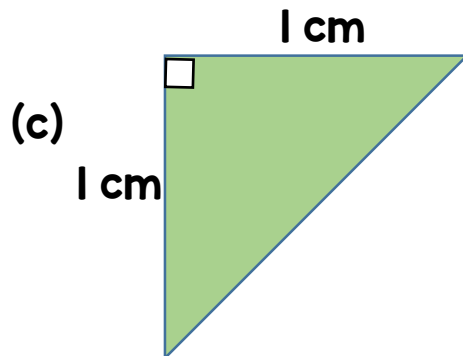
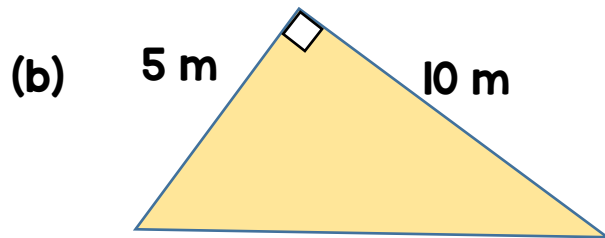
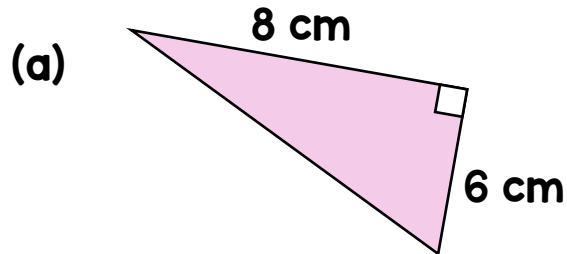
Summer Term Maths Year 10

Day 2

Week 11

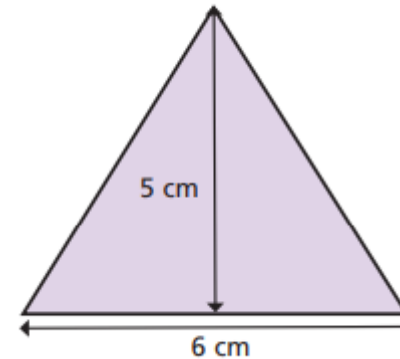
Use Pythagoras' Theorem to find the longest side

- 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?

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



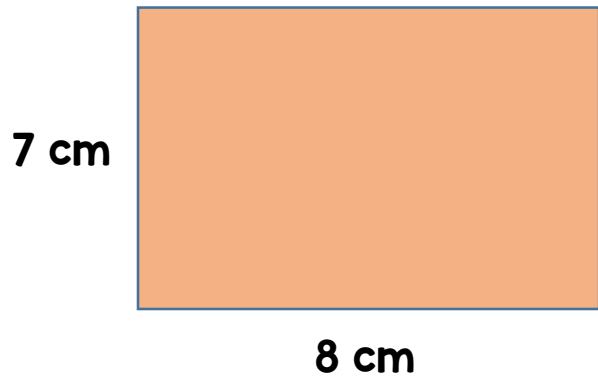
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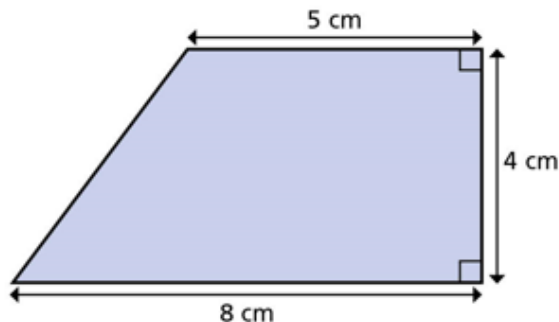
Week 11

Use Pythagoras' Theorem to find the longest side

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



- 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.

- The height is 50 cm
- The base length is 120 cm

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?