I can already ...

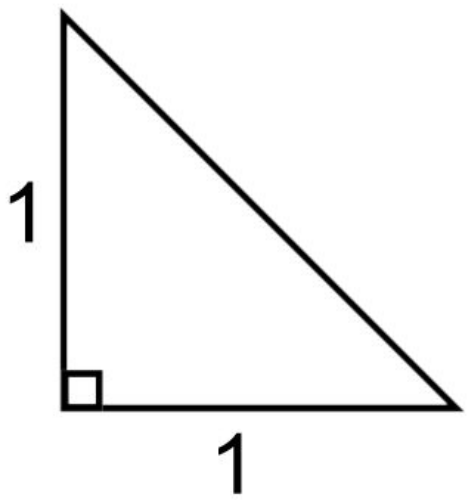
- Use Pythagoras' Theorem
- Find missing lengths using SOHCAHTOA

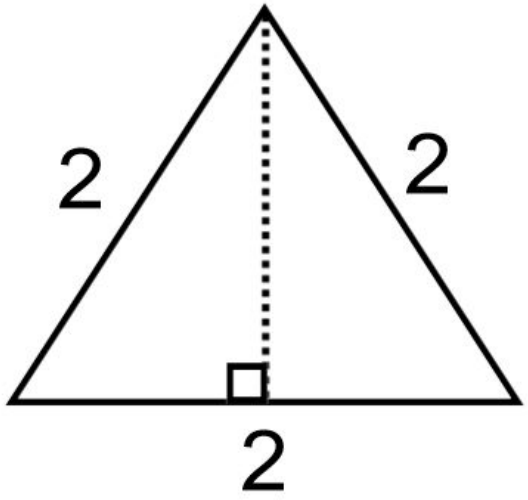
Useful Formulae

Key words

TOPIC: Trigonometry – Exact Values

Find the value of every side and angle in the following triangles





Use the previous diagrams to complete the table below

	0°	30°	45°	60°	90°
Sinθ					
Cosθ					
Tanθ					

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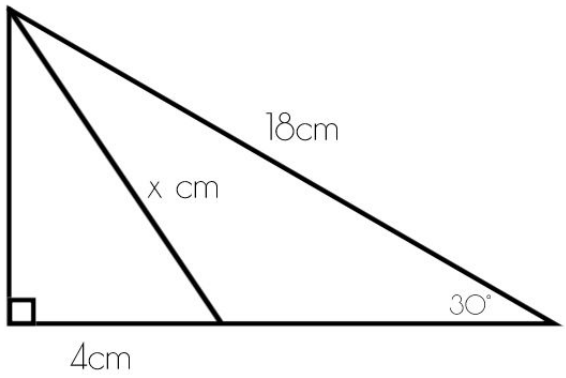
Video Link

TOPIC: Trigonometry - Exact Values

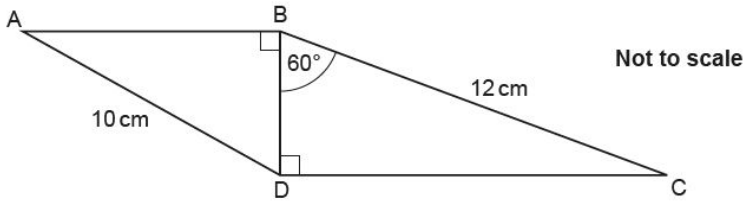
The angles in a triangle are in the ratio 1 : 2 : 3.
It can be shown that the triangle is right-angled.
The hypotenuse of the triangle is 15cm long.
Calculate the length of the shortest side in the triangle.

Calculate the exact length marked x



THE EXAM QUESTION

The diagram shows two right-angled triangles ABD and BCD, sharing a common side BD.
AD = 10 cm, BC = 12 cm
Angle DBC = 60°.



Work out the length of AB.

Key Points to Remember

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