**Trigonometry SOH CAH TOA GREEN**

Question 1 – Calculate the missing sides on the triangles below.



Question 2 - Calculate the missing angles on the triangles below.



Question 3

A ladder of length 3.5m rests against a vertical wall and makes an angle of 40o with the floor. How far up the wall does the ladder reach?

Question 4

Find the angle *X* in the triangle below.



Question 5

A rope 10m long from the top of a vertical pole to a point on the ground makes an angle of 23o with the pole. How high is the pole?

**Trigonometry SOH CAH TOA AMBER**



Question 1 – Calculate the missing sides on the triangles below.



Question 2 - Calculate the missing angles on the triangles below.



Question 3

A ladder of length 3.5m rests against a vertical wall and makes an angle of 40o with the floor. How far up the wall does the ladder reach? (Hint: if it’s tricky, draw a piccy!)

Question 4

Find the angle *X* in the isosceles triangle below.



Question 5

A rope 10m long from the top of a vertical pole to a point on the ground makes an angle of 23o with the pole. How high is the pole? (Hint: if it’s tricky, draw a piccy!)

**Trigonometry SOH CAH TOA RED**

1. Label your sides first, you’ll need O, H and A...

2. Choose if you need SOH, CAH or TOA...

3. Cover the one you need with your thumb,

4. Write the equation,

5. Solve it, then you’re done!



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