

ROK (Retention of Knowledge) – Card Sort

Decide whether you need to use SOH, CAH or TOA for the stack of cards.

Place the letter of the cards into the correct box.

SOH

CAH

TOA

Literacy

Work in pairs and create your own mnemonic to help you remember SOHCAHTOA.

E.g. Sense Of Humour Can Always Help To

Overcome Awkwardness.

S _____ O _____ H _____ C _____

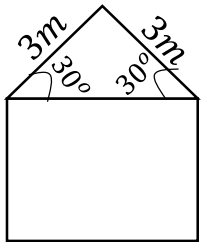
A _____ H _____ T _____

O _____ A _____

Stretch 1

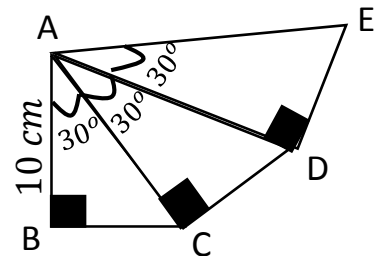
Grade A

A shed roof has sloping sides at an angle of 30° . Each edge is 3m long, calculate, f , the width of the shed.



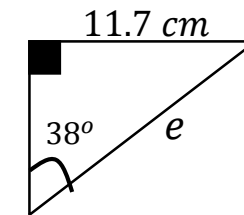
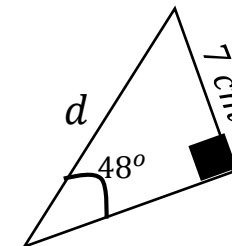
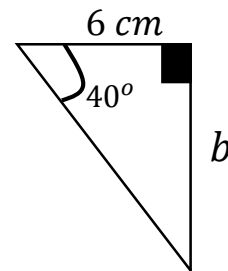
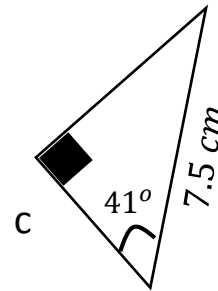
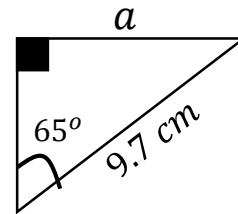
f

ABCDE is a pentagon made up of three similar right-angled triangles. $AB = 10$ cm. Calculate AE .



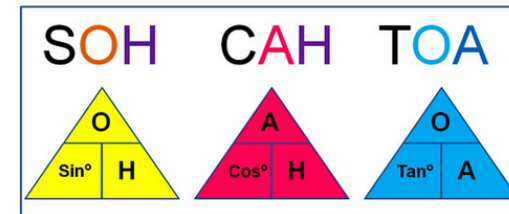
Skill 1

Find the missing lengths of these triangles



Memory

Use the trigonometry triangles to help establish which formula you need to use.



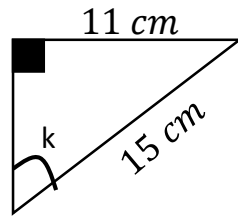
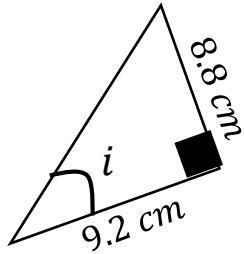
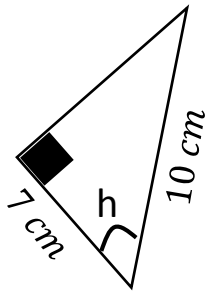
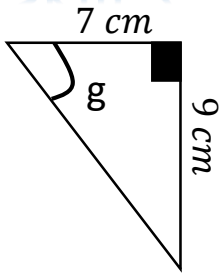
Grade B

RAG

Skill 2

Find the size of the missing angles.

Grade B



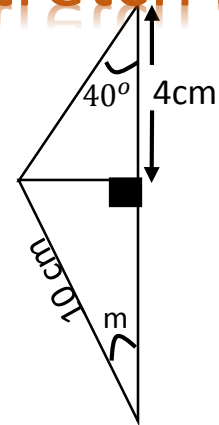
Stretch 2

Application of knowledge

Grade A



Find the missing angle marked m .



A ladder 5m long rests against a wall.

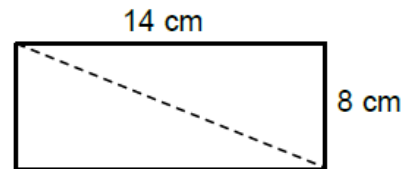
The foot of the ladder is 2.2m from the base of the wall.

Draw a diagram of this.

What angle does the ladder make with the wall? (Give your answer to 1 decimal place)



A rectangle has a length of 14cm and width of 8cm. What angle does the diagonal make with the longest side?



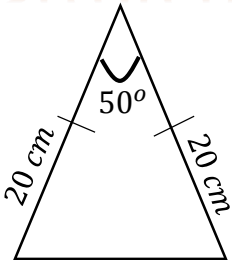
Stretch 3

Subject Knowledge Cross Over

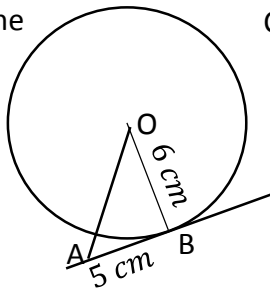
Grade A



By first finding its perpendicular height, calculate the area of the isosceles triangle.



Calculate the size of the angle AOB.



A ship sails 40Km on a bearing of 055° . how far north has it travelled?

