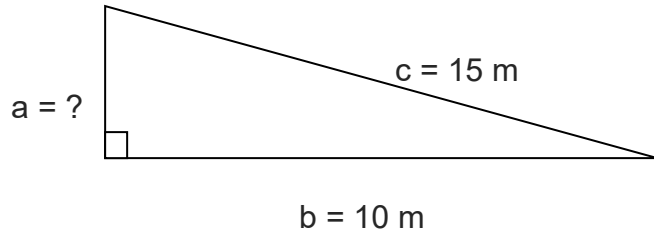


# PYTHAGORAS'S RULE

## SKILLS QUESTIONS

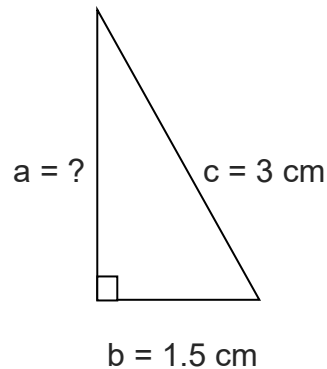
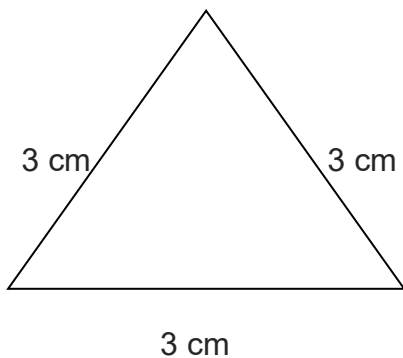
### FIND A SIDE

Q1. A wheelchair ramp is 15 metres long. Its horizontal length is 10 metres. What is its height?



$$\begin{aligned}
 a^2 &= c^2 - b^2 \\
 &= 15^2 - 10^2 \\
 &= \\
 a &= \sqrt{\quad} \\
 &=
 \end{aligned}$$

Q2. An equilateral triangle has sides of 3 cm. What is the perpendicular height of the triangle?



Q3. Use Pythagoras's Rule to find the unknown side.

	Hypotenuse	One side	Unknown side
(a)	13	5	
(b)	25	7	
(c)	41	9	
(d)	20 cm	18 cm	
(e)	12 m	5.2 m	

# ANSWERS

Q1. 11.18m

Q2. 2.6cm

Q3. (a) 12

(b) 24

(c) 40

(d) 8.72cm

(e) 10.81m