

Name: _____

Year: _____

Date: _____

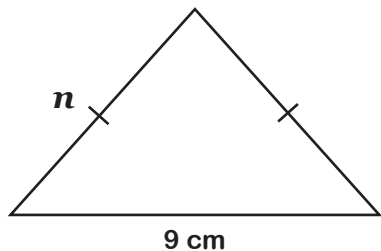


KS2 Challenge Cards



A

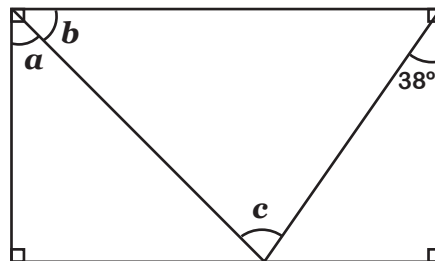
The isosceles triangle has a perimeter which is prime, between 20 and 30 cm. The base of the triangle is 9cm.



What are the possible values of n ?

C

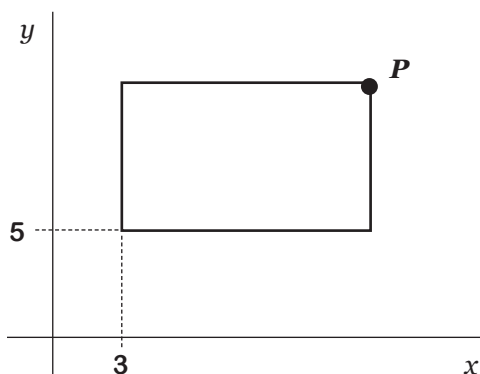
Here is a triangle inside a rectangle.



The angle a is 60% of the right angle. Find the sizes of angles a , b , and c .

B

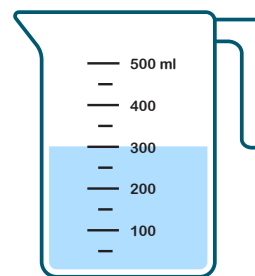
This rectangle has an area of 72cm^2 . The length of the rectangle is twice its width.



What is the coordinate of point P ?

D

Here is a jug containing some water.



$\frac{2}{5}$ of the water is poured away.

The rest is poured into a 1 litre container.

What fraction of the 1 litre container will remain empty? Write it in its simplest form.

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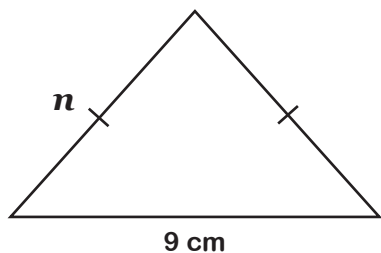
KS2 Challenge Cards

ANSWERS



A

The isosceles triangle has a perimeter which is prime, between 20 and 30 cm. The base of the triangle is 9 cm.

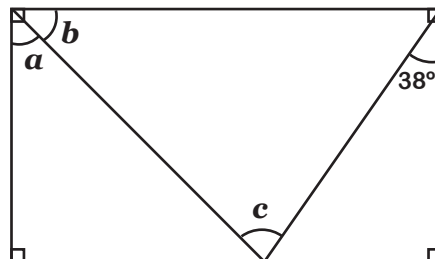


What are the possible values of n ?

5 or 7

C

Here is a triangle inside a rectangle.

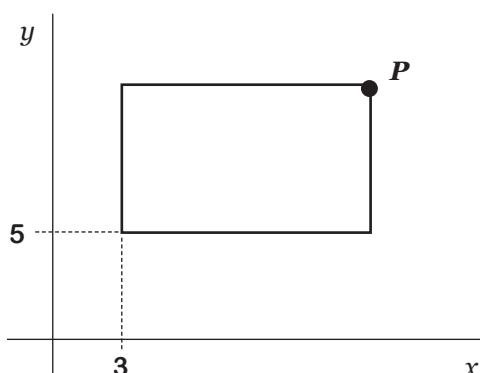


The angle a is 60% of the right angle. Find the sizes of angles a , b , and c .

**$a = 54^\circ$
 $b = 36^\circ$
 $c = 92^\circ$**

B

This rectangle has an area of 72cm^2 . The length of the rectangle is twice its width.

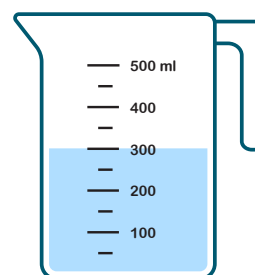


What is the coordinate of point P ?

(15, 11)

D

Here is a jug containing some water.



$\frac{2}{5}$ of the water is poured away.

The rest is poured into a 1 litre container.

What fraction of the 1 litre container will remain empty? Write it in its simplest form.

$\frac{41}{50}$