15th January

CorbettmAths

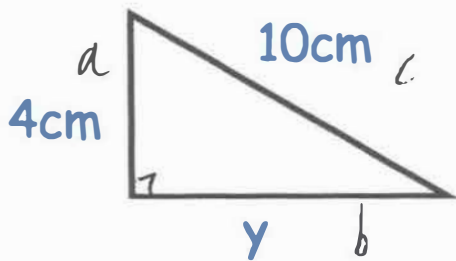Simplify

$5(x + 3) + 2x - 4$

$5x + 15 + 2x - 4$

$7x + 11$

Work out

$8\frac{1}{3} \div \frac{4}{7}$

$\frac{25}{3} \div \frac{4}{7}$

$\frac{25}{3} \times \frac{7}{4} = \frac{175}{12}$ $= 14\frac{7}{12}$

a   10cm   c.

4cm

y   b

Calculate the length of y for this right-angled triangle

$a^2 + b^2 = c^2$
$4^2 + y^2 = 10^2$
$16 + y^2 = 100$
$y^2 = 84$ $y^2 \; 9.165cm$

There are white, green and blue beads in a bag.

The ratio of white beads to green beads is 2:5
The ratio of green beads to blue beads is 1:3

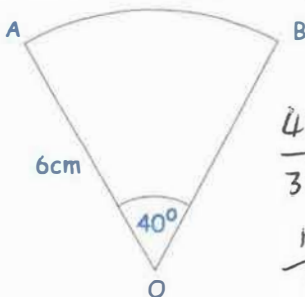Work out the ratio of white beads to blue beads

$W : G \quad G : B$
$2 : 5 \quad 1 : 3 \; (\times 5)$

$5 . 15$

$W : B$
$2 : 15$

A   B

6cm

40°

O

$\frac{40}{360} \times \pi \times r^2$

$\frac{1}{9} \times \pi \times 6^2$

Find the area of the sector.
Give your answer in terms of π

$\frac{1}{9} \times \pi \times 36$

$4\pi \, cm^2$

    www.corbettmaths.com