19th February **Foundation Plus 5-a-day**

Corbettmaths

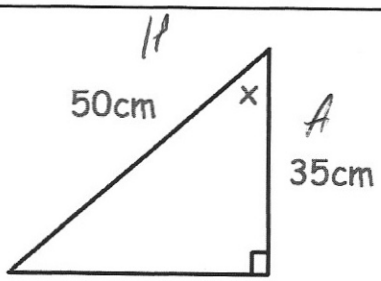
Work out

$5\frac{3}{4} + 1\frac{2}{7}$

$\frac{23}{4} + \frac{9}{7}$

$\frac{161}{28} + \frac{36}{28} = \frac{197}{28}$

$7\frac{1}{28}$



Calculate the size of angle x

$\cos x = \frac{35}{50}$

$x = \cos^{-1}\frac{35}{50}$

$x = 45.57°$

Write 144 as a product of primes.

12 12

2 6 2 6

2 3 2 3

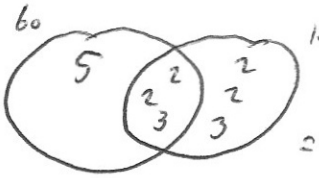
$2 \times 2 \times 2 \times 2 \times 3 \times 3$

$2^4 \times 3^2$

Find the HCF of 60 and 144.

Answer 12

$60 = 2 \times 2 \times 3 \times 5$



HCF

$= 2 \times 2 \times 3$

$= 12$

Calculate the pressure if the area is $5cm^2$ and the force is 40N

$P = \frac{F}{A}$

$\frac{40}{5} = 8N/cm^2$

Draw an arrow to represent the vector

$\begin{pmatrix} 4 \\ -3 \end{pmatrix}$