Name: _____ 5-a-day Foundation Plus

4th August

Corbettmaths

Solve

$$\frac{7x-3}{2} = 2x+9$$

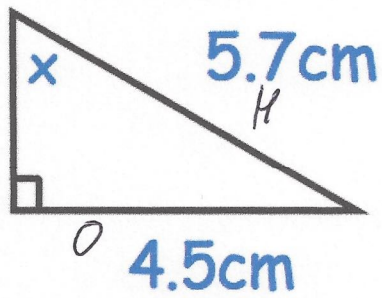
×2 ×2

$7x - 3 = 4x + 18$

$3x - 3 = 18$

$3x = 21$

$x = 7$



Find x.

$\sin x = \frac{4.5}{5.7}$

$\sin^{-1}\left(\frac{4.5}{5.7}\right) = 52.14°$

Solve the simultaneous equations

$2x - 5y = 1$ ×3

$8x + 3y = 27$ ×5

$40x + 15y = 135$

$6x - 15y = 3$

$46x = 138$

$x = 3$

$6 - 5y = 1$

$y = 1$

$x = 3$

$y = 1$

Find the volume of a piece of wood that has a mass of 600g and density of 0.75g/cm³

$V = \frac{m}{d} = \frac{600}{0.75}$

$800 cm^3$

0.84 has been rounded to two decimal places.

Write down an inequality to show the range of possible actual values.

$0.835 \leq y < 0.845$