

19th March

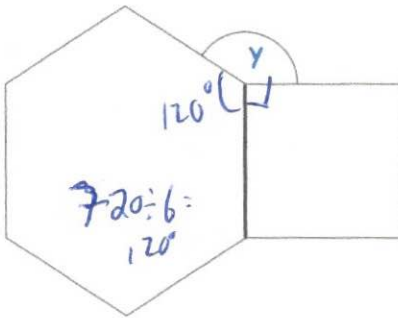


Corbettmaths

$$3\frac{2}{5} - 1\frac{1}{3}$$

$$\frac{17}{5} - \frac{4}{3} = \frac{51}{15} - \frac{20}{15}$$

$$\frac{31}{15} = 2\frac{1}{15}$$



Shown is a regular hexagon and a square.

Find y .

$$120 + 90 = 210$$

$$360 - 210 = 150^\circ$$

Solve

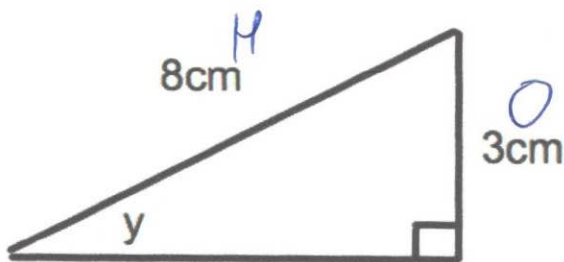
$$3(x + 12) = x + 6$$

$$3x + 36 = x + 6$$

$$2x + 36 = 6$$

$$2x = -30$$

$$x = -15$$



Calculate angle y

$$\sin y = \frac{3}{8}$$

$$y = \sin^{-1} \frac{3}{8} = 22.02^\circ$$

Convert 1.5m^2 into cm^2 $1\text{m}^2 = 10000\text{cm}^2$

$$1.5 \times 10000$$

$$= 15000\text{cm}^2$$

Convert $58,000,000,000\text{cm}^3$ into m^3

$$1\text{m}^3 = 1000000\text{cm}^3$$

$$58000000000 \div 1000000$$

$$= 58000\text{m}^3$$