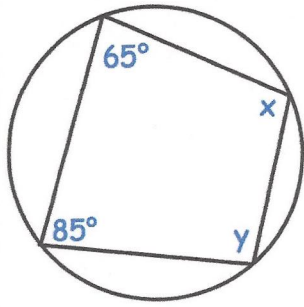


11th February



Corbettmaths

Find  $x$  and  $y$ 

$$x = 95^\circ$$

$$y = 115^\circ$$

Find the volume of a sphere, radius 10cm.

$$V = \frac{4}{3}\pi r^3$$

$$\frac{4}{3} \times \pi \times 10^3 =$$

$$4188.79 \text{ cm}^3$$

Solve using the quadratic formula

$$5x^2 - 10x + 1 = 0$$

$$a = 5 \quad b = -10 \quad c = 1$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{10 \pm \sqrt{100 - 4 \times 5 \times 1}}{10}$$

$$x = \text{~~10~~ } 1.89$$

or

$$x = \text{~~10~~ } 0.106$$

Salary, $p$	Frequency $f$
$0 < p \leq 8000$	1200
$8000 < p \leq 15000$	1750
$15000 < p \leq 25000$	4500
$25000 < p \leq 40000$	1500
$40000 < p \leq 80000$	2000

$$1200 \div 8000 = 0.15$$

$$1750 \div 7000 = 0.25$$

Draw a histogram for this data.

$$4500 \div 10000 = 0.45$$

$$1500 \div 15000 = 0.1$$

$$2000 \div 40000 = 0.05$$

