



Work out $16^{0.25} \times 4^{-3}$

$$2 \times \frac{1}{4^3}$$

$$2 \times \frac{1}{64} = \frac{2}{64}$$

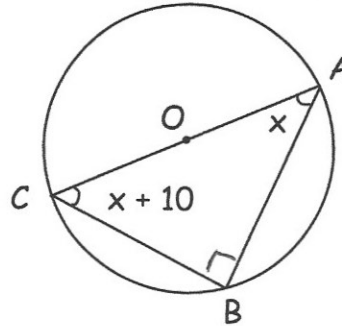
$$\frac{1}{32}$$

Find the size of x

$$2x + 10 = 90$$

$$2x = 80$$

$$x = 40^\circ$$



Factorise $5y^2 + 21y - 20$

$$(5y - 4)(y + 5)$$

Work out

$$\frac{w}{3} - \frac{w}{8}$$

$$\frac{8w}{24} - \frac{3w}{24}$$

$$\frac{5w}{24}$$

The probability of a student in a school playing a musical instrument is 0.4.

$$P(\text{not}) = 0.6$$

Three students are picked at random.

$$0.4 \times 0.4 \times 0.6 = 0.096$$

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Work out the probability that exactly 2 students out of the 3 play an instrument.

$$0.288$$