30th July **Foundation Plus 5-a-day**

Corbettmaths

$c^m \times c^n = c^8$

Find three different pairs of values for m and n

three pairs that add to 8.

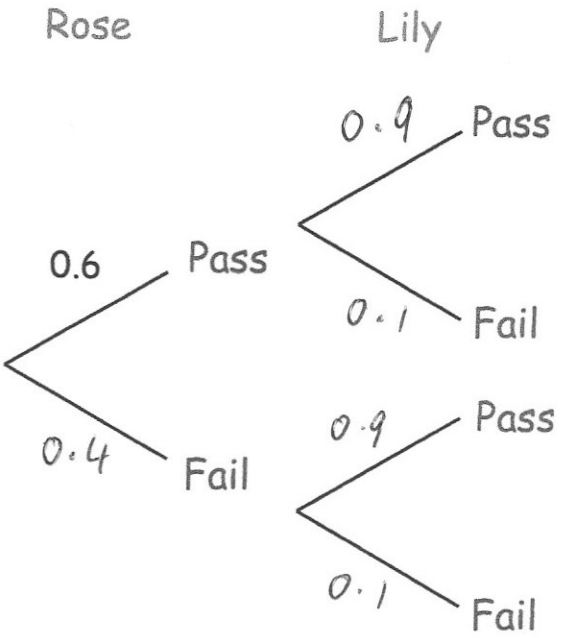
$m = 5 \quad n = 3$

$m = 6 \quad n = 2$

$m = 7 \quad n = 1$

The probability that Rose passes her music exam is 0.6
The probability that Lily fails her music exam is 0.1

Complete the tree diagram.



Work out the probability that both girls pass.

$0.6 \times 0.9 = 0.54$

Simplify

$\frac{\pi}{5} + \frac{\pi}{2}$ $\frac{2\pi}{10} + \frac{5\pi}{10}$

Give your answer in terms of π

$\frac{7\pi}{10}$

Work out

$$\sqrt{\frac{15 \times \cos 12^\circ}{36 - 5.8^2}}$$

give your answer to 2 significant figures

2.493399253

2.5