

11th April

Corbettmaths

Solve, giving your answers to one decimal place.

$$8x^2 - 8x - 9 = 0$$

Michael bought a hat and a coat.
The hat cost £6.
He sold both items for a total of £45.

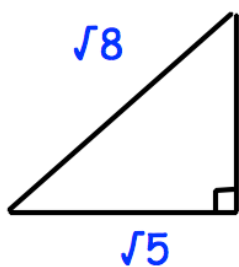
Michael made
300% profit on the hat
125% profit on the total cost.

Work out his percentage profit on the cost of the coat.

P O L Y G O N

A tile is selected at random, it is **replaced** and then another tile is selected.

Find the probability that both tiles have a different letter on it.



Calculate the length of the missing side.
Leave your answer as a surd.

Convert $0.4242424242\dots$ into a fraction