

Find x

The cost of a trip, c , varies directly to the square root of the number of miles, m .

The cost of a 100 mile trip is £50.

What is the cost of a 400 mile trip?

Two ordinary fair dice are rolled.

Work out the probability that at least one of the dice does not land on a 1.

In August, a shop reduced the price of a coat by $\frac{2}{5}$ and as a result they sold $\frac{3}{4}$ more coats.

By what fraction does the income from the sales of the coat increase?

Solve $y^2 + 9y + 2 = 8y + 58$