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x + 5

x - 2

Find x

Solve $\dfrac{(4x + 3)(x + 2)}{x + 1} = 3$

Grace makes chocolate and lemon cupcakes in the ratio 11:2.

Some of the cupcakes have sprinkles and the rest do not.

The ratio of chocolate cupcakes with sprinkles to without sprinkles is 3:4

The ratio of lemon cupcakes with sprinkles to without sprinkles is 5:2

Work out what fraction of the cupcakes have sprinkles.

Peter has 18 pieces of fruit in a bowl.

There are 9 apples, 6 oranges and 3 bananas.

He picks at random three pieces of fruit from the bowl.

Work out the probability that the three pieces of fruit are not the same type.