



Work out  $49^{\frac{1}{2}}$

Solve

$$4x^2 - 25 = 0$$

Simplify

$$\frac{5x^2 - 13x + 6}{x^2 - 4}$$

There are 20 sweets in a bag.  
x of the sweets are strawberry flavour and the rest are chocolate.

Zuzanna picks a sweet at random from the bag and notes its flavour. She **replaces** the sweet and then picks another at random.

Write down an expression for the probability that both sweets are strawberry flavour.

$xy = a$  where a is a constant

Select the correct statement

y is directly proportional to x

x is directly proportional to y

y is directly proportional to  $\frac{1}{x}$

y is inversely proportional to  $\frac{1}{x}$