

12th December



Corbettmaths

Factorise $4y^2 - 1$

$$(2y-1)(2y+1)$$

Factorise $x^2 + 6x - 27$

$$(x+9)(x-3)$$

A shop sells a "meal deal" that contains a sandwich, a drink and a snack.

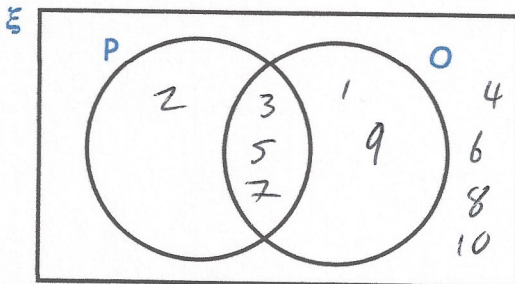
There are 10 different sandwiches.
There are 12 different drinks.
There are 5 different snacks.

How many different "meal deals" could be bought?

$$10 \times 12 \times 5 = \underline{600}$$

Write down the equation of the line that is perpendicular to $y = 6x + 1$ and passes through $(0, 8)$.

$$y = -\frac{1}{6}x + 8$$


 $\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

O = Odd numbers

P = Prime numbers 2 3 5 7

Complete the Venn diagram

A number is chosen at random

Find $P(O \cup P)$

$$\frac{6}{10} = \frac{3}{5}$$

A number is chosen at random

Find $P(O \cap P)$

$$\frac{3}{10}$$