



A particle travels for
 2×10^3 seconds, at a speed of
 5×10^5 m/s

$$s = vt$$

$$(2 \times 10^3) \times (5 \times 10^5)$$

$$10 \times 10^8 = 1 \times 10^9 \text{ m}$$

How far does the particle travel, in kilometres?

$$1 \times 10^6 \text{ km}$$

Solve $x^2 = 8x - 15$

$$x^2 - 8x + 15 = 0$$

$$(x-5)(x-3) = 0$$

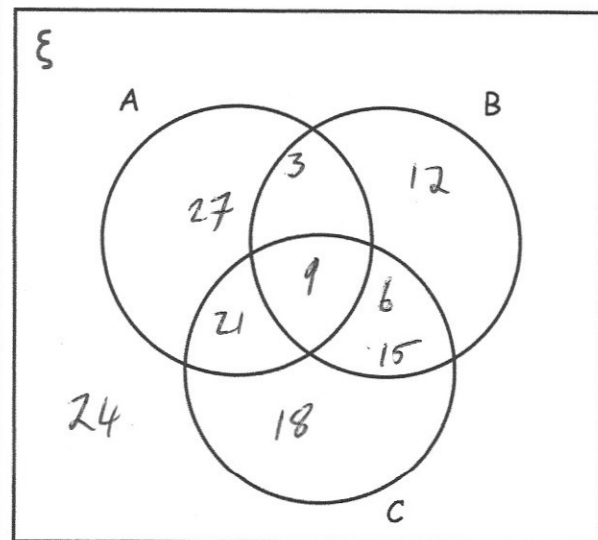
$$x=5 \text{ or } x=3$$

$\xi = \{\text{multiple of 3 between 1 and 29}\}$

$$A = \{3, 6, 9, 12, 15, 18, 21, 24, 27\}$$

$$B = \{3, 6, 9, 12, 15, 18, 21, 24, 27\}$$

$$C = \{6, 9, 15, 18, 21, 24, 27\}$$



A number is chosen at random from ξ

Find $P(A' \cup C)$

$$\frac{7}{9}$$

Where does the line $y - 2x = 9$ cross the x-axis?

$$y=0$$

$$0 = 2x + 9$$

$$2x = -9$$

$$x = -4.5 \quad (-4.5, 0)$$

Where does the line $y - 2x = 9$ cross the y-axis?

$$y = 2x + 9$$

$$(0, 9)$$