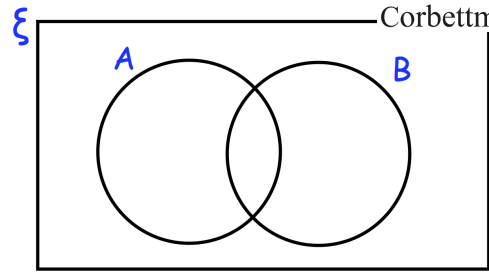




$$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\}$$

$$A = \{\text{square numbers}\}$$

$$B = \{\text{cube numbers}\}$$

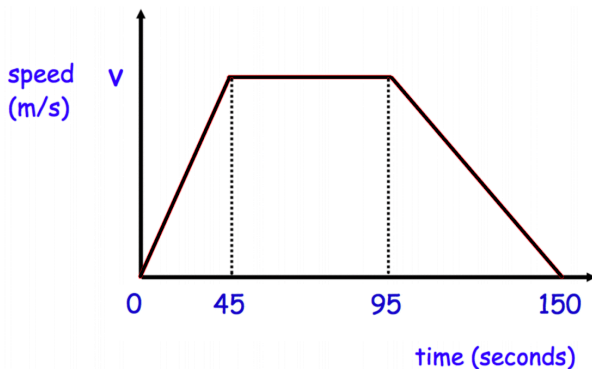


Find $P(A \cup B)$

Find the probability of B given A.

$$f(x) = \frac{4x}{3} - 2$$

Work out the value of $f^{-1}(10)$



Work out the value of v .

Here is a speed-time graph for a train journey.

The journey took 150 seconds.

The train travelled 1.53km in the 150 seconds.