

Example:

Sally has five cards each with a letter on.



She selects a card at random. Find the probability that she selects:

- a) the A. $P(A) = \frac{1}{5}$
- b) a vowel. $P(\text{vowel}) = \frac{2}{5}$

Exercise:

1. Abi has eight cards each with a letter on.



She selects a card at random. Find the probability that she selects:

- a) an S. $P(S) = \frac{1}{8}$
- b) a T. $P(T) = \frac{1}{8}$
- c) an A. $P(A) = \frac{2}{8} = \left(\frac{1}{4}\right)$
- d) a consonant. $P(\text{consonant}) = \frac{5}{8}$
- e) a vowel. $P(\text{vowel}) = \frac{3}{8}$
- f) not a T. $P(\text{not a T}) = \frac{7}{8}$

2. The number of matches in eight boxes are: 46, 48, 52, 51, 49, 53, 46, 50. One box is selected at random. Find the probability of the box containing:

- a) 53 matches. $P(53) = \frac{1}{8}$
- b) an even number of matches. $P(\text{even}) = \frac{5}{8}$
- c) less than 50 matches. $P(\text{less than 50}) = \frac{4}{8} = \left(\frac{1}{2}\right)$
- d) 54 matches. $P(54) = 0$
- e) a number of matches that is multiple of three. $P(\text{multiple of 3}) = \frac{2}{8} = \left(\frac{1}{4}\right)$