

# Simple probability - choosing letters from words and numbers from lists

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Mark \_\_\_\_\_ / 6 \_\_\_\_\_ %

1) Alan chooses a letter at random from the word MONTH.

[1]

Find the probability that he chooses

a) an N

b) an M

2) Jesse chooses a letter at random from the word SECONDS.

[1]

Find the probability that he chooses

a) a D

b) an S

3) Caleb chooses a letter at random from the word SIGNIFICANT.

[1]

Find the probability that he chooses

a) an N

b) an I

4) A number is chosen at random from the set of numbers

[1]

3,4,5,6,7,8,9,10,11,12,13,14,15

Find the probability that the number is

a) an even number

b) an odd number

5) A number is chosen at random from the set of numbers below

[1]

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

Find the probability that the number is

a) a square number

b) a prime number

c) a multiple of 5

6) A number is chosen at random from the set of numbers

[1]

1,2,3,4,5,6,7,8,9,10

Find the probability that the number is

a) a factor of 9

b) a cube number

**Solutions for the assessment Simple probability - choosing letters from words and numbers from lists**

1) a)  $P(\text{an N}) = \frac{1}{5}$ , b)  $P(\text{an M}) = \frac{1}{5}$

2) a)  $P(\text{a D}) = \frac{1}{7}$ , b)  $P(\text{an S}) = \frac{2}{7}$

3) a)  $P(\text{an N}) = \frac{2}{11}$ , b)  $P(\text{an I}) = \frac{3}{11}$

4) a)  $P(\text{even number}) = \frac{7}{13}$   
b)  $P(\text{odd number}) = \frac{6}{13}$

5) a)  $P(\text{square number}) = \frac{1}{4}$

b)  $P(\text{prime number}) = \frac{3}{8}$

c)  $P(\text{multiple of 5}) = \frac{3}{16}$

6) a)  $P(\text{factor of 9}) = \frac{3}{10}$

b)  $P(\text{cube number}) = \frac{1}{5}$