Mathematics
Grade 9

Name: _____ **No.** ____ **M.4/**___

Probability

$$P(A) = \frac{n(A)}{n(s)} = \frac{\text{the number of ways in which } A \text{ can occur}}{\text{the total number of probable events or possible outcomes}}$$

1. What is the probability of choosing an even number from the numbers 1, 2, 3, 4, 5?

Solution

The number of ways in which an even number is chosen =

The total number of equally likely outcomes =

∴ P (choosing an even number) = —

Answer: —

2. What is the probability of picking a B from the word **PROBABILITY**?

Solution

The number of ways in which B is chosen =

The total number of equally likely outcomes =

∴ P (choosing a B) = —

Answer: —

3. What is the probability of choosing an **integer** that is exactly **divisible** by 3 from the list 2, 4, 7, 9, 10?

Solution

The number of ways in which an integer that is exactly divisible by 3 is chosen =

The total number of equally likely outcomes =

∴ P (choosing an integer that is exactly divisible by 3) = —

Answer: —

4. A number is chosen from the first 15 **positive integers**. What is the probability that it is a prime number?.

Solution

The number of ways that it is a prime number =

The total number of equally likely outcomes =

$\therefore$ P (that it is a prime number) = —

Answer: —