Name: _____                Date _____

## Topic : Calculate the Probability as a Decimal- Worksheet 1

**1**  A Bowl contains 10 yellow and 15 pink marbles. A marble is drawn at random. Probability (pink).

**2**  A Bottle contains 5 pink, 3 blue, and 10 red marbles. A marble is drawn at random. P (pink).

**3**  You roll a die numbered from 1 to 6. P (5).

**4**  You roll a die numbered from 1 to 6.
P (a number less than 4).

**5**  You roll a die numbered from 1 to 6.
P (a composite number ≤ 2).

**6**  A number from 40 to 50 is drawn at random.
P (40, 42, 46, or 48).

**7**  A number from 30 to 50 is drawn at random.
P (a number greater than 44).

**8**  A container contains 19 red, 6 black, and 20 Red marbles. A marble is drawn at random. P (not black).

**9**  A number from 11 to 35 is drawn at random.
P (18).

**10**  A Box contains 42 white, 13 blue, 14 pink, and 8 green marbles. A marble is drawn at random. P (pink or blue).

Name: _____          Date _____

# Topic : Calculate the Probability as a Decimal- Worksheet 2

**1**  A bowl contains 10 grey and 14 blue marbles. A marble is drawn at random. Probability (grey).

**2**  A jar contains 6 blue, 10 black, and 9 red marbles. A marble is drawn at random. P (blue).

**3**  You roll a die numbered from 1 to 6. P (4).

**4**  You roll a die numbered from 1 to 6.
P (a number less than 3).

**5**  You roll a die numbered from 1 to 6.
P (a composite number < 5).

**6**  A number from 20 to 30 is drawn at random.
P (20, 22, 24, 26 or 28).

**7**  A number from 20 to 30 is drawn at random.
P (a number greater than 15).

**8**  A container contains 15 red, 5 violet, and 20 brown marbles. A marble is drawn at random. P (Violet ).

**9**  A number from 10 to 20 is drawn at random.
P (15).

**10**  A jar contains 20 violet, 11 blue, 14 yellow, and 9 red marbles. A marble is drawn at random. P (Violet or blue).

Name: _____          Date _____

## Topic : Calculate the Probability as a Decimal- Worksheet 3

1    A jar contains 20 red and 11 black marbles. A marble is drawn at random. Probability (black).

2    A jar contains 5 white, 4 black, and 7 gray marbles. A marble is drawn at random. P (white).

3    You roll a die numbered from 1 to 6. P (3).

4    You roll a die numbered from 1 to 6.
P (a number more than 2).

5    You roll a die numbered from 1 to 6.
P (an odd number < 5).

6    A number from 10 to 20 is drawn at random.
P (11, 13, 14, or 15).

7    A number from 15 to 30 is drawn at random.
P (a number less than 19).

8    A bowl contains 19 blue, 5 pink, and 20 blue marbles. A marble is drawn at random. P (pink).

9    A number from 5 to 20 is drawn at random.
P (17).

10    A jar contains 10 red, 11 blue, 13 yellow, and 7 green marbles. A marble is drawn at random. P (yellow or blue).

Name: _____          Date _____

## Topic : Calculate the Probability as a Decimal- Worksheet 4

1   A bowl contains 10 green and 12 blue marbles. A marble is drawn at random. Probability (blue).

2   A bowl contains 4 magenta, 4 black, and 7orange marbles. A marble is drawn at random. P (black).

3   You roll a die numbered from 1 to 6. P (1).

4   You roll a die numbered from 1 to 6.
P (a number more than 3).

5   You roll a die numbered from 1 to 6.
P (an even number > 5).

6   A number from 15 to 25 is drawn at random.
P (16, 18, 19, or 20).

7   A number from 10 to 30 is drawn at random.
P (a number less than 20).

8   A jar contains 8 violet, 6 maroon, and 20 purple marbles. A marble is drawn at random. P (purple).

9   A number from 10 to 20 is drawn at random.
P (14).

10  A bowl contains 12 black ,15 orange, 13 maroon, and 7 purple marbles. A marble is drawn at random. P (orange or maroon).

Name: _____          Date _____

## Topic : Calculate the Probability as a Decimal- Worksheet 5

**1** A bag contains 22 red and 12 yellow caps. A cap is drawn at random. Probability (yellow).

**2** A bowl contains 8 white, 4 gray, and 8 pink marbles. A marble is drawn at random. P (gray).

**3** You roll a die numbered from 1 to 6. P (6).

**4** You roll a die numbered from 1 to 6.
P (a number less than 5).

**5** You roll a die numbered from 1 to 6.
P (an composite number > 5).

**6** A number from 10 to 40 is drawn at random.
P (12, 13, 15, or 23).

**7** A number from 12 to 35 is drawn at random.
P (a number more than 25).

**8** A jar contains 7 pink, 6 red, and 12 blue marbles. A marble is drawn at random. P (blue).

**9** A number from 20 to 35 is drawn at random.
P (25).

**10** A bottle contains 15 black, 17 orange, 12 maroon, and 13 purple marbles. A marble is drawn at random. P (orange or maroon).