Name: _____   Date _____

Topic : <u>Probability as a Fraction- Worksheet 1</u>

Find the probability of the following.

1 There are 12 marbles in a bag and 6 of them are green. If one marble is chosen, what is the probability that it will be green

2 A jar contains 12 red, 20 blue, 30 orange, and 40 pink marbles. A marble is drawn at random. P (pink).

3 A jar contains 10 black, 30 blue, 40 yellow, and 30 green marbles. A marble is drawn at random. P (not green).

4 A jar contains 8 red and 14 purple marbles. A marble is drawn at random. P (purple).

5 A number from 70 to 80 is drawn at random.
P (an odd number).

6 You roll a die numbered from 1 to 6.
P (an odd number $\geq$ 4).

7 A number from 19 to 40 is drawn at random.
P (a number divisible by 5).

8 You roll a die numbered from 1 to 6.
P (not 4).

9 You roll a die numbered from 1 to 6.
P (Number 2 and 1).

10 What is probability of getting the numbers 2 and 5 when a die numbered from 1 to 6 is rolled?

Name: _____   Date _____

Topic : Probability as a Fraction- Worksheet 2

Find the probability of the following.

1   There are 10 balls in a bag and 3 of them are red. If one ball is chosen, what is the probability that it will be red.

2   A bowl contains 9 pink, 22 purple, 25 maroon, and 30 yellow marbles. A marble is drawn at random. P (pink).

3   A bowl contains 17 blue, 20 red, 16 orange, and 12 green marbles. A marble is drawn at random. P (not green).

4   A glass contains 9 yellow and 5 maroon marbles. A marble is drawn at random. P (maroon).

5   A number from 40 to 80 is drawn at random.
P (an odd number).

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

7   A number from 20 to 40 is drawn at random.
P (a number divisible by 6).

8   You roll a die numbered from 1 to 6.
P (not 2).

9   You roll a die numbered from 1 to 6.
P (Number 2 and 1).

10   What is probability of getting the numbers 2 and 4 when a die numbered from 1 to 6 is rolled?

Name: _____   Date _____

Topic : Probability as a Fraction- Worksheet 3

Find the probability of the following.

1 There are 8 sticks in a bag and 5 of them are red. If one sticks is chosen, what is the probability that it will be red.

2 A jar contains 8 red, 20 blue, 23 pink, and 29 yellow marbles. A marble is drawn at random. P (blue).

3 A bowl contains 17 yellow, 15 blue, 12 orange, and 11 green marbles. A marble is drawn at random. P (not orange).

4 A glass contains 8 green and 7 blue marbles. A marble is drawn at random. P (blue).

5 A number from 49 to 69 is drawn at random.
P (an even number).

6 You roll a die numbered from 1 to 6.
P (an odd number < 3).

7 A number from 29 to 55 is drawn at random.
P (a number divisible by 6).

8 You roll a die numbered from 1 to 6.
P (not 6).

9 You roll a die numbered from 1 to 6.
P (Number 3 and 4).

10 What is probability of getting the numbers 1 and 5 when a die numbered from 1 to 6 is rolled?

Name: _____   Date _____

Topic : Probability as a Fraction- Worksheet 4

Find the probability of the following.

1   There are 9 sticks in a bag and 7 of them are blue. If one stick is chosen, what is the probability that it will be blue?

2   A jar contains 7 blue, 20 red, 15 purple, and 23 black marbles. A marble is drawn at random. P (red).

3   A jar contains 17 green, 16 yellow, 16 red, and 11 green marbles. A marble is drawn at random. P (not yellow).

4   A glass contains 6 green and 9 blue marbles. A marble is drawn at random. P (blue).

5   A number from 10 to 30 is drawn at random.
P (an odd number).

6   You roll a die numbered from 1 to 6.
P (an even number > 3).

7   A number from 5 to 16 is drawn at random.
P (a number divisible by 5).

8   You roll a die numbered from 1 to 6.
P (not 2).

9   You roll a die numbered from 1 to 6.
P (Number 2 and 6).

10 What is probability of getting the numbers 3 and 5 when a die numbered from 1 to 6 is rolled?

Name: _____   Date _____

Topic : Probability as a Fraction- Worksheet 5

Find the probability of the following.

1   There are 10 balls in a bag and 7 of them are red. If one ball is chosen, what is the probability that it will be red?

2   A jar contains 5 black, 24 red , 12 pink, and 20 blue marbles. A marble is drawn at random. P (blue).

3   A jar contains 14 red , 12 blue, 16 yellow, and 11 green marbles. A marble is drawn at random. P (not yellow).

4   A glass contains 5 blue and 10 black marbles. A marble is drawn at random. P (blue).

5   A number from 2 to 15 is drawn at random.
P (an even number).

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

7   A number from 10 to 20 is drawn at random.
P (a number divisible by 10).

8   You roll a die numbered from 1 to 6.
P (not 5).

9   You roll a die numbered from 1 to 6.
P (Number 3 and 5).

10   What is probability of getting the numbers 1 and 4 when a die numbered from 1 to 6 is rolled?