

# Probability Worksheet 3 – Your turn

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Name: \_\_\_\_\_

Date \_\_\_\_\_

## Topic : Probability Word Problems- Worksheet 3

What is the probability?

1. Mike is playing cards with his sister when he draws a card from a pack of 35 cards numbered from 1 to 35. What is the probability of drawing a number that is divisible by 5?  $\frac{7}{35} = \frac{1}{5}$

2. Each of the letters in the word CALCULATOR are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be C or L?  $\frac{4}{10} = \frac{2}{5}$

3. A magician showed a magic trick where he picked one card from a standard deck. Determine what the probability is that the card will be a red color queen card?  $\frac{2}{52} = \frac{1}{26}$

4. A bag contains fifteen red balls, twelve pink balls, and eight yellow balls. You pick one without looking. What is the probability that the balls will be either yellow OR pink?  $\frac{20}{35} = \frac{4}{7}$

5. You ask a friend to think of a number from two to twelve. What is the probability that his number will be 4?  $\frac{1}{11}$

6. Each of letters in the word MAGICIAN are on separate cards, face down on the table. If you pick a card at random, what is the probability that its letter will be I or M?  $\frac{3}{8}$

7. You roll a SIX sided die. What is the probability that the value of the roll will be four?  $\frac{1}{6}$

8. A bag contains 3 green marbles, 5 blue marbles, and 8 red marbles and you ask a friend to pick one without looking. What is the probability that the marbles will be green?  $\frac{3}{16}$

9. You think of a number from the first twenty positive integers. What is the probability that the integer chosen will be divisible by 4?  $\frac{5}{20} = \frac{1}{4}$

10. When a six sided die is rolled then what is the probability that the number rolled will be two?  $\frac{1}{6}$