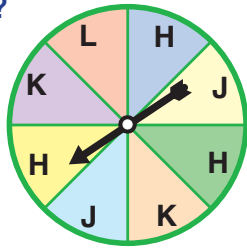# Probability Concepts

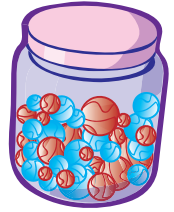**Math**

Name _____ Class _____ Date _____

1 On this spinner, what is the **probability** of spinning the **letter H**?

_____ out of _____

2 If one letter is chosen at random from the word **cookbook**, the **probability** that the letter chosen is the **letter "o"** is 4 out of

_____.

3 A number cube has **6 sides**. The sides are numbered **1 to 6**. If the cube is **thrown once**, what is the **probability** of rolling an **even number**?

_____ out of _____

4 A number cube has **6 sides**. The sides have the numbers 2, 4, 8, 9, 4, and 7. If the cube is **thrown once**, what is the **probability** of rolling the **number 7**?

_____ out of _____

5 A glass jar contains a total of **29 marbles**. The jar has **green and blue marbles**. There are 24 green marbles. Underline the **probability** of picking a **red marble**.

unlikely   likely   impossible

6 A glass jar contains a total of **34 marbles**. The jar has red and blue marbles. There are **27 red marbles**. Underline the **probability** of picking a **red marble**.

unlikely   likely   certain

7 A bag contains **10 orange marbles**, **2 red marbles**, **16 purple marbles**, **14 green marbles**, and **5 blue marbles**. What is the probability of pulling out an **orange or a red marble**?.

_____ out of _____

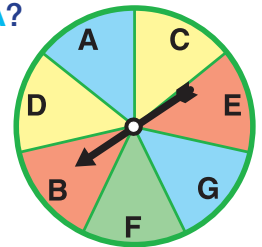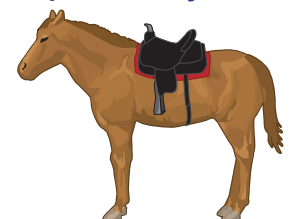**8** On this spinner, what is the **probability** of spinning the **letter A**?

_____ out of _____

9 A number cube has **6 sides**. The sides are numbered **1 to 6**. If the cube is **thrown once**, what is the **probability** of rolling the number **1 or** the number **6**.

_____ out of _____

10 If one letter is chosen at random from the word **rancher**, the probability that the letter **"c"** is chosen is 1 out of

_____.

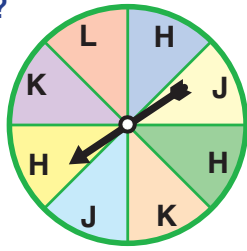# Probability Concepts - Answer Key

Math

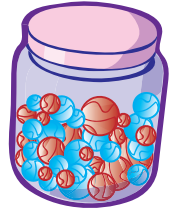Name _____   Class _____   Date _____

1 On this spinner, what is the **probability** of spinning the **letter H**?

___3___ out of ___8___

2 If one letter is chosen at random from the word **cookbook**, the **probability** that the letter chosen is the **letter "o"** is 4 out of ___8___.

3 A number cube has **6 sides**. The sides are numbered **1 to 6**. If the cube is **thrown once**, what is the **probability** of rolling an **even number**?

___3___ out of ___6___

4 A number cube has **6 sides**. The sides have the numbers 2, 4, 8, 9, 4, and 7. If the cube is **thrown once**, what is the **probability** of rolling the **number 7**?

___1___ out of ___6___

5 A glass jar contains a total of **29 marbles**. The jar has **green and blue marbles**. There are 24 green marbles. Underline the **probability** of picking a **red marble**.

unlikely   likely   <u>impossible</u>

6 A glass jar contains a total of **34 marbles**. The jar has red and blue marbles. There are **27 red marbles**. Underline the **probability** of picking a **red marble**.

unlikely   <u>likely</u>   certain

7 A bag contains **10 orange marbles**, **2 red marbles**, **16 purple marbles**, **14 green marbles**, and **5 blue marbles**. What is the probability of pulling out an **orange or a red marble**?.
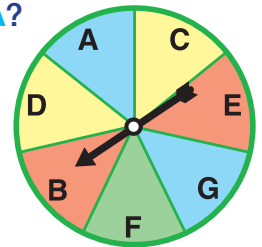
___12___ out of ___47___

8 On this spinner, what is the **probability** of spinning the **letter A**?

___1___ out of ___7___

9 A number cube has **6 sides**. The sides are numbered **1 to 6**. If the cube is **thrown once**, what is the **probability** of rolling the **number 1 or the number 6**.

___2___ out of ___6___

10 If one letter is chosen at random from the word **rancher**, the probability that the letter **"c"** is chosen is 1 out of ___7___.