Name: _____

Sample Spaces and Compound Events

Find each probability. Write it as a fraction in simplest form.

1. A coin is flipped and a number cube is rolled. What is P(heads and 4)?

   Answer: _____

2. A menu has 4 sandwiches and 5 drinks. How many different meals of one sandwich and one drink are there?

   Answer: _____

3. Two number cubes are rolled. What is the probability that both show an even number?

   Answer: _____

4. A coin is flipped and a number cube is rolled. What is P(heads and 5)?

   Answer: _____

5. A coin is flipped and a number cube is rolled. How many outcomes are in the sample space?

   Answer: _____

6. A menu has 2 sandwiches and 5 drinks. How many different meals of one sandwich and one drink are there?

   Answer: _____

7. A coin is flipped and a number cube is rolled. What is P(heads and 6)?

   Answer: _____

8. A coin is flipped and a number cube is rolled. What is P(heads and 1)?

   Answer: _____

9. A coin is flipped and a number cube is rolled. What is P(heads and 3)?

   Answer: _____

10. A menu has 5 sandwiches and 3 drinks. How many different meals of one sandwich and one drink are there?

    Answer: _____

11. A menu has 4 sandwiches and 3 drinks. How many different meals of one sandwich and one drink are there?

    Answer: _____

12. A menu has 4 sandwiches and 2 drinks. How many different meals of one sandwich and one drink are there?

    Answer: _____

Name: **ANSWER KEY**

Sample Spaces and Compound Events

Find each probability. Write it as a fraction in simplest form.

1. A coin is flipped and a number cube is rolled. What is P(heads and 4)?

   Answer: $\frac{1}{12}$

2. A menu has 4 sandwiches and 5 drinks. How many different meals of one sandwich and one drink are there?

   Answer: 20

3. Two number cubes are rolled. What is the probability that both show an even number?

   Answer: $\frac{1}{4}$

4. A coin is flipped and a number cube is rolled. What is P(heads and 5)?

   Answer: $\frac{1}{12}$

5. A coin is flipped and a number cube is rolled. How many outcomes are in the sample space?

   Answer: 12

6. A menu has 2 sandwiches and 5 drinks. How many different meals of one sandwich and one drink are there?

   Answer: 10

7. A coin is flipped and a number cube is rolled. What is P(heads and 6)?

   Answer: $\frac{1}{12}$

8. A coin is flipped and a number cube is rolled. What is P(heads and 1)?

   Answer: $\frac{1}{12}$

9. A coin is flipped and a number cube is rolled. What is P(heads and 3)?

   Answer: $\frac{1}{12}$

10. A menu has 5 sandwiches and 3 drinks. How many different meals of one sandwich and one drink are there?

    Answer: 15

11. A menu has 4 sandwiches and 3 drinks. How many different meals of one sandwich and one drink are there?

    Answer: 12

12. A menu has 4 sandwiches and 2 drinks. How many different meals of one sandwich and one drink are there?

    Answer: 8