

Statistics & Probability

Task Cards 7.SP.7

20 Task Cards, Recording Sheet, Answer Sheet

7.SP.7

Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.

9

The weatherman predicts a 40% chance of rain for the weekend. What is the probability that it will not rain over the weekend?

7.SP.7

10

If you roll two standard die what is the probability that they will both be a three?

7.SP.7

13

What is the probability of choosing a vowel at

14

What is the probability of choosing a consonant at random from all letters in the alphabet?

16

females
What is the probability that a student selected at random will be a female?

7.SP.7

11

Your class has 14 males and 11 females. If a student is selected at random what is the probability that a female will be selected?

7.SP.7

12

Your class has 14 males and 11 females. If a student is selected at random what is the probability that a male will be chosen?

7.SP.7



Created by:
Math in the Midwest

7.SP.7

Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.

1

There are 12 girls and 17 boys in class. If called at random what is the probability that a girl will be asked to answer the next question?

7.SP.7

2

Janice has ice cream every night. Inside the freezer she has vanilla, chocolate, and cookie dough. If she grabs one at random what is the chance she will grab cookie dough? 7.SP.7

3

What is the probability of picking a black card from a standard deck?

7.SP.7

4

What is the probability of rolling an odd number on a regular six sided dice?

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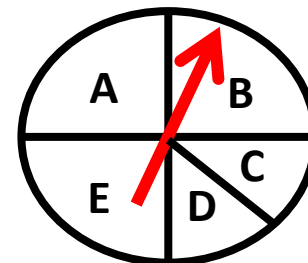
5

The probability of choosing a blue marble from a bag is $\frac{5}{12}$ and a yellow marble $\frac{1}{3}$. What is the probability of not choosing one of these marbles?

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6

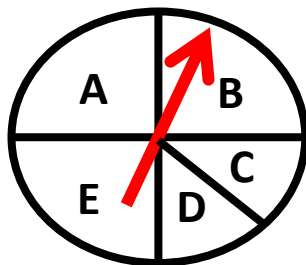
What is the probability of the spinner landing on the letter C?



7.SP.7

7

What is the probability of the spinner landing on a vowel?



7.SP.7

8

What is the probability of picking a King from a standard deck of cards?

7.SP.7

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7.SP.7

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Your class has 14 males and 11 females. If a student is selected at random what is the probability that a male will be chosen?

7.SP.7

13

What is the probability of choosing a vowel at random from all the letters in the alphabet?

7.SP.7

14

What is the probability of choosing a consonant at random from all the letters in the alphabet?

7.SP.7

15

A baseball pitcher averages 3 strikeouts after 7 batters. If he faces 35 batters. What is the probability of the amount of strikeouts he will have.

7.SP.7

16

Your class has 17 females and 12 males. What is the probability that Kaden (a student in the class will be selected)?

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17

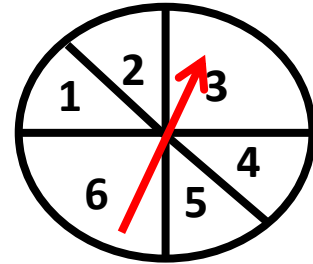
A

_____ is a
_____ list of each possible
outcome along with
its probability.

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18

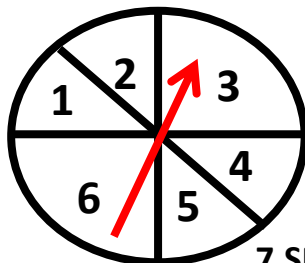
What is the
probability of
the spinner
landing on a
number larger
than 2?



7.SP.7

19

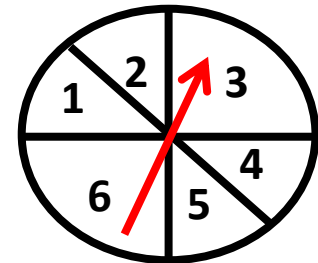
What is the
probability of
the spinner
landing on an
even number?



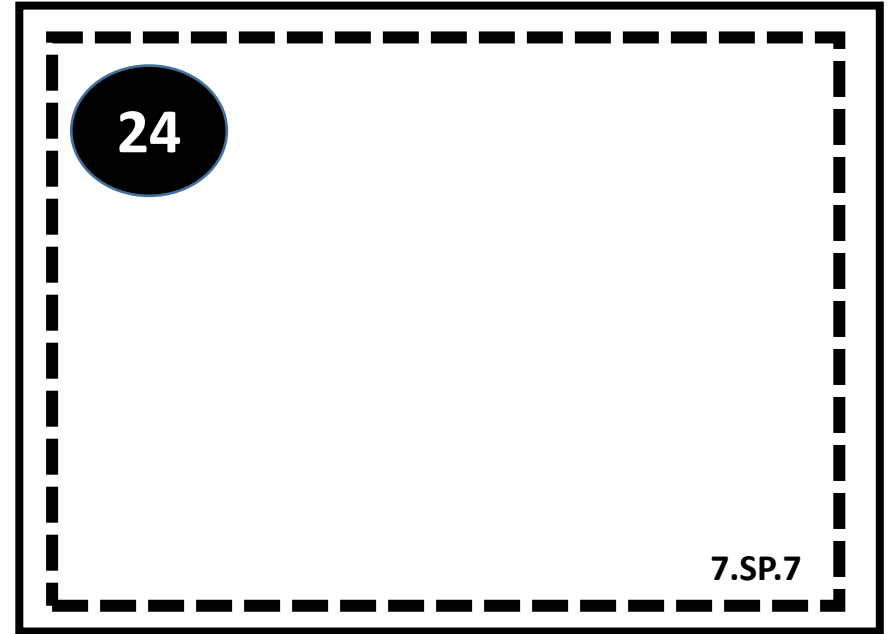
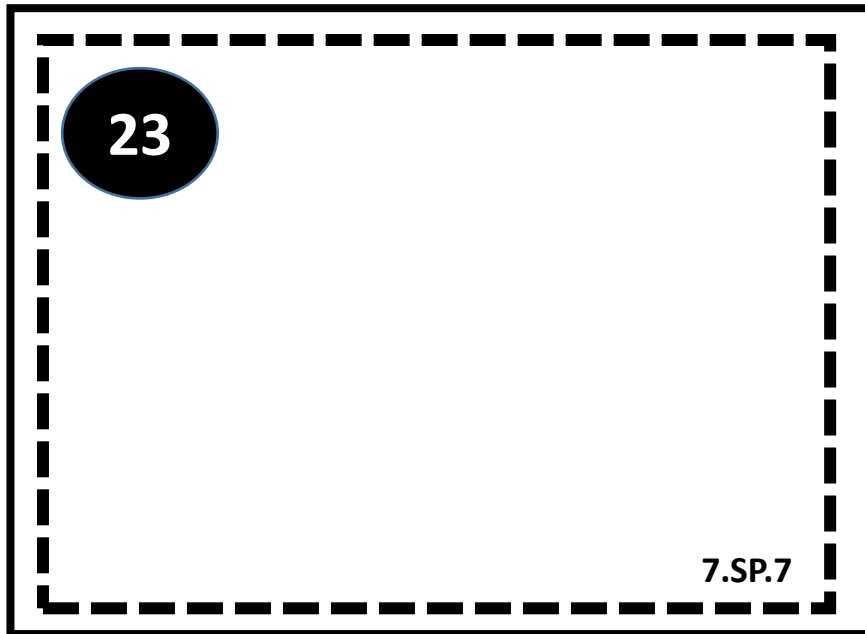
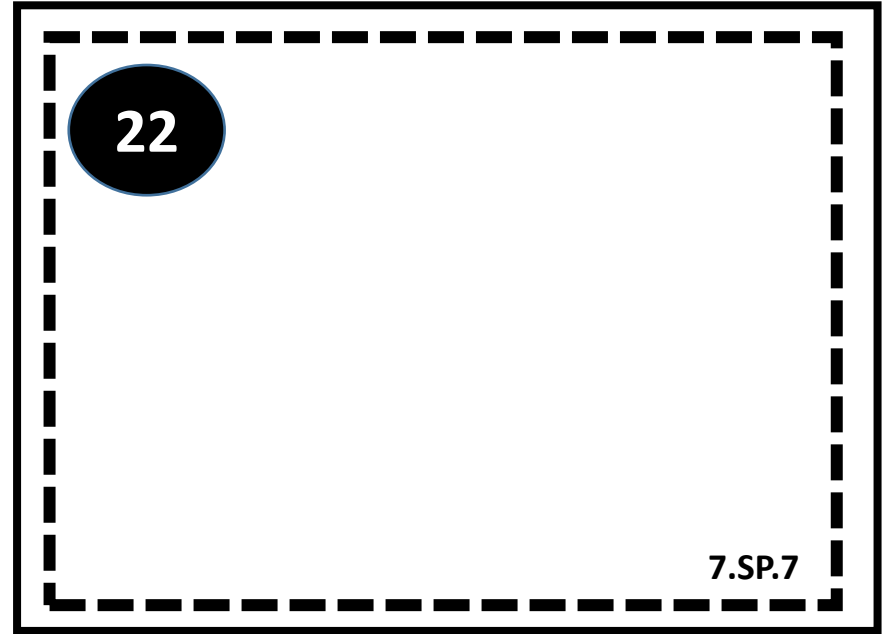
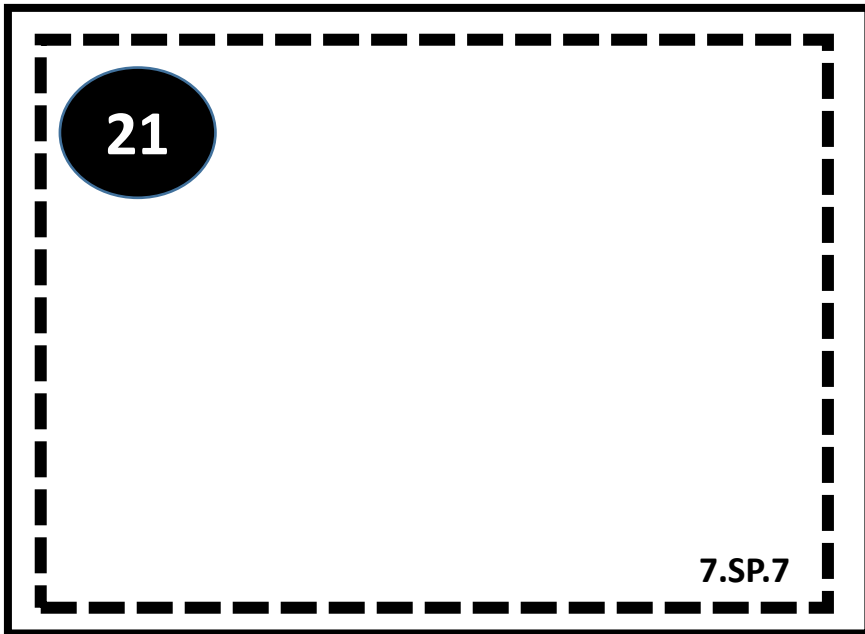
7.SP.7

20

What is the
probability of
the spinner
landing on the
number 4?



7.SP.7



1

There are 12 girls and 17 boys in class. If called at random what is the probability that a girl will be asked to answer the next question?

7.SP.7

2

Janice has ice cream every night. Inside the freezer she has vanilla, chocolate, and cookie dough. If she grabs one at random what is the chance she will grab cookie dough?

7.SP.7

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What is the probability of picking a black card from a standard deck?

7.SP.7

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What is the probability of rolling an odd number on a regular six sided dice?

7.SP.7

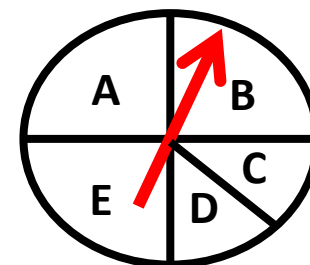
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7.SP.7

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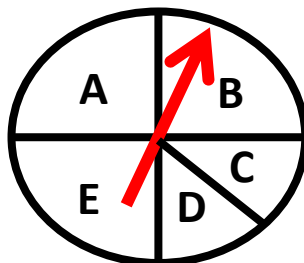
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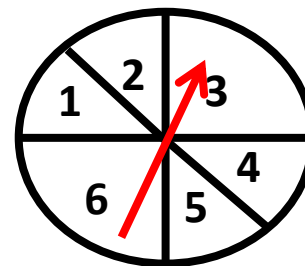
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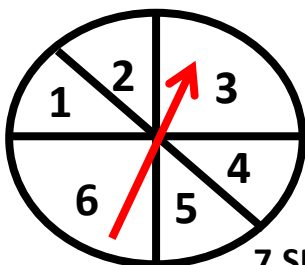
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7.SP.7

19

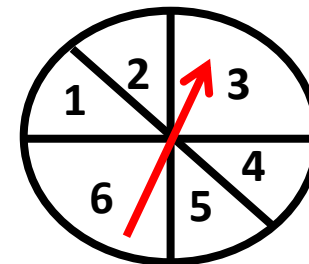
What is the
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landing on an
even number?



7.SP.7

20

What is the
probability of
the spinner
landing on the
number 4?



7.SP.7

21

7.SP.7

22

7.SP.7

23

7.SP.7

24

7.SP.7

Name _____

Hour _____

7.SP.7 Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.

Name _____

Hour _____

10.

11.

12.

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16.

17.

18.

19.

20.

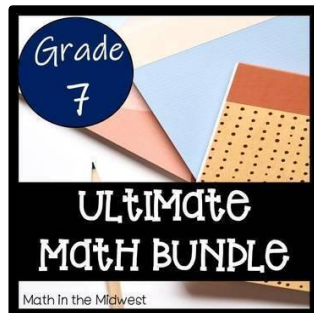
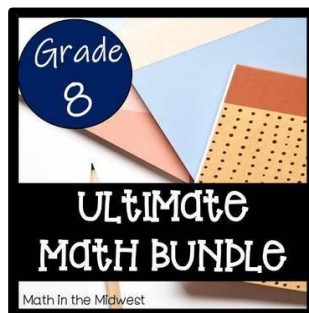
Answer Key

Number	Answer
1	$\frac{12}{29}$
2	$\frac{1}{3}$
3	$\frac{26}{52}$
4	$\frac{1}{2}$
5	$\frac{3}{12}$ or $\frac{1}{4}$
6	$\frac{1}{8}$
7	$\frac{1}{2}$
8	$\frac{4}{52}$
9	60%
10	$\frac{1}{36}$

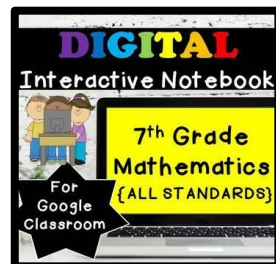
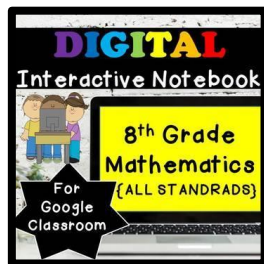
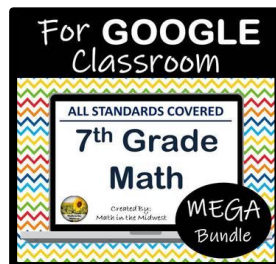
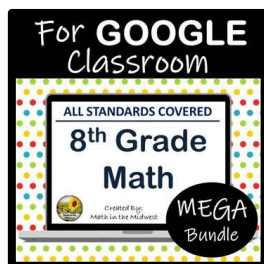
Number	Answer
11	$\frac{11}{25}$
12	$\frac{14}{25}$
13	$\frac{5}{26}$ or $\frac{6}{26}$ (<i>depends on y</i>)
14	$\frac{21}{26}$ or $\frac{20}{26}$
15	15 strikeouts
16	$\frac{1}{29}$
17	Probability Model
18	$\frac{3}{4}$
19	$\frac{1}{2}$
20	$\frac{1}{8}$

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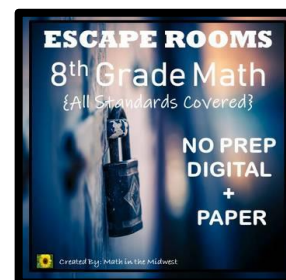
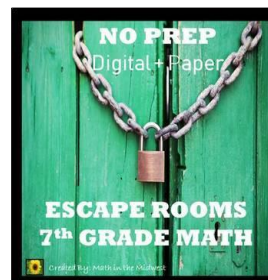
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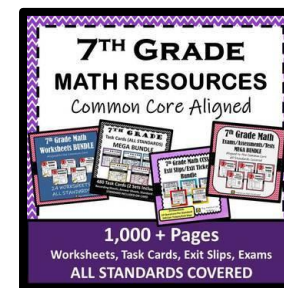
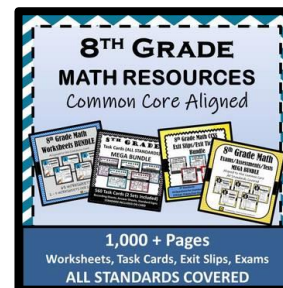
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