

# Statistics & Probability

## Task Cards 7.SP.5

20 Task Cards, Recording Sheet, Answer Sheet

7.SP.5

Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around  $\frac{1}{2}$  indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.

9 Determine if the following event is likely, unlikely, or neither unlikely or likely.

A coin is flipped and the coin lands heads up.

7.SP.5

10 Determine if the following event is likely, unlikely, or neither unlikely or likely.

Rolling a 1 on a regular six sided dice.

7.SP.5

11 Determine if the following event is likely, unlikely, or neither unlikely or likely.

Not rolling a six on a regular six sided dice.

7.SP.5

12 Determine if the following event is likely, unlikely, or neither unlikely or likely.

From a deck of 52 cards, you select 1 card. What is the probability the card will be red?

7.SP.5

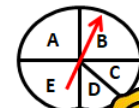
17

Consider the spinner shown. Determine the following:



18

Consider the spinner shown. Determine the following:



P(C)

20

show  
for  
P(consonant)



Created by:  
Math in the Midwest

# 7.SP.5



Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around  $\frac{1}{2}$  indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.

1

True or False

The probability of a chance event is a number between 1 and 2

7.SP.5

2

True or False

A probability near 0 indicates an unlikely event.

7.SP.5

3

True or False

A probability around  $\frac{1}{2}$  indicates an event that is either unlikely not likely.

7.SP.5

4

True or False

Smaller numbers indicate greater likelihood.

7.SP.5

5

\_\_\_\_\_ is a measure of the likelihood that an event will occur

7.SP.5

6

To calculate the probability of an event or  $P(\text{event})$ , determine the \_\_\_\_\_ of the number of times the event \_\_\_\_\_ to the total number of \_\_\_\_\_.

7.SP.5

7

Determine the probability of rolling an odd number on a regular six sided number cube.

7.SP.5

8

Determine the probability of rolling a two on a regular six sided number cube.

7.SP.5

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Determine if the following event is likely, unlikely, or neither unlikely or likely.

The names of the seven days of the week are each written on a piece of paper and placed in a box. What is the probability of drawing the name of a weekday?

7.SP.5

**14**

Determine if the following event is likely, unlikely, or neither unlikely or likely.

The names of the twelve months of the year are each written on a piece of paper and placed in a jar. What is the probability of drawing the name of a month with a "ber" at the end. Example. Novem"ber".

7.SP.5

**15**

What is the greatest possible probability in any experiment?

7.SP.5

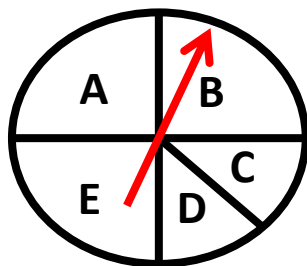
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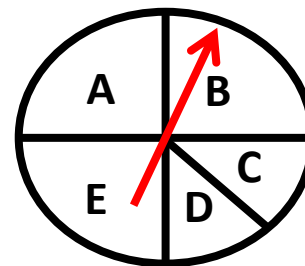
Consider the spinner shown. Determine the following:

 $P(A)$ 

7.SP.5

18

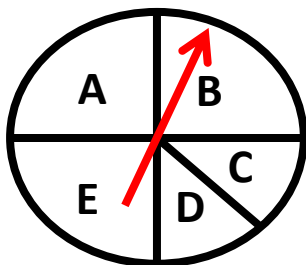
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 $P(C)$ 

7.SP.5

19

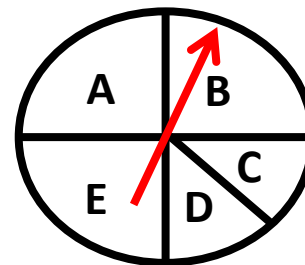
Consider the spinner shown. Determine the following:

 $P(\text{vowel})$ 

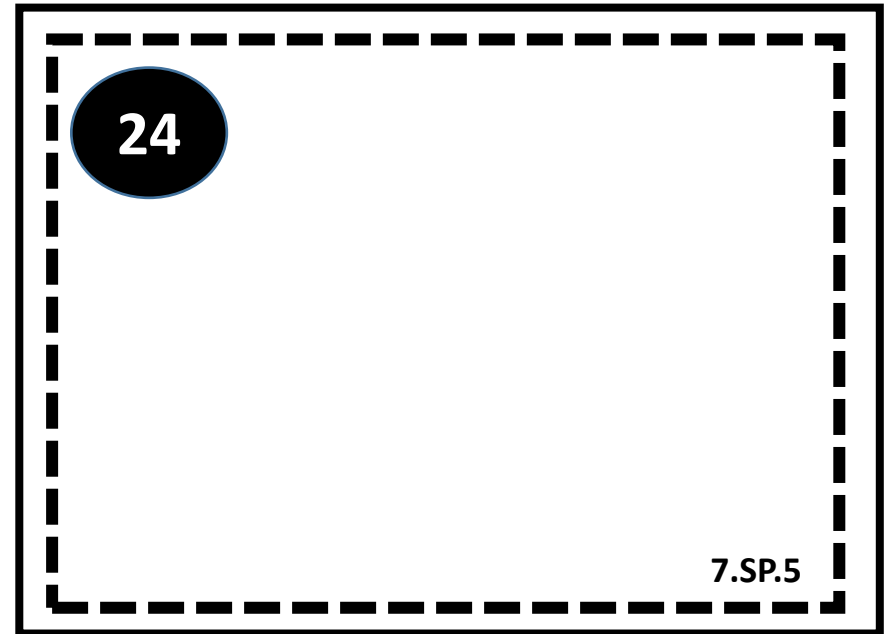
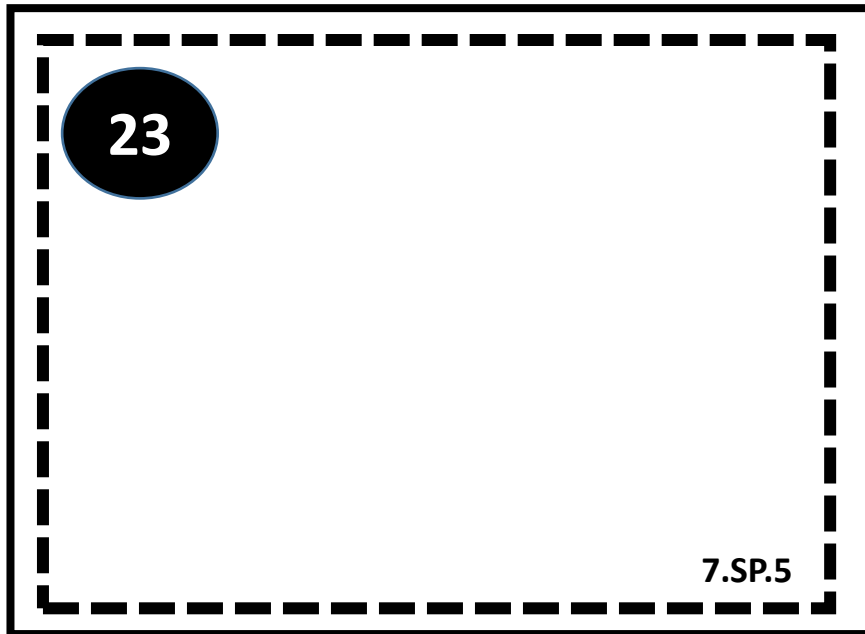
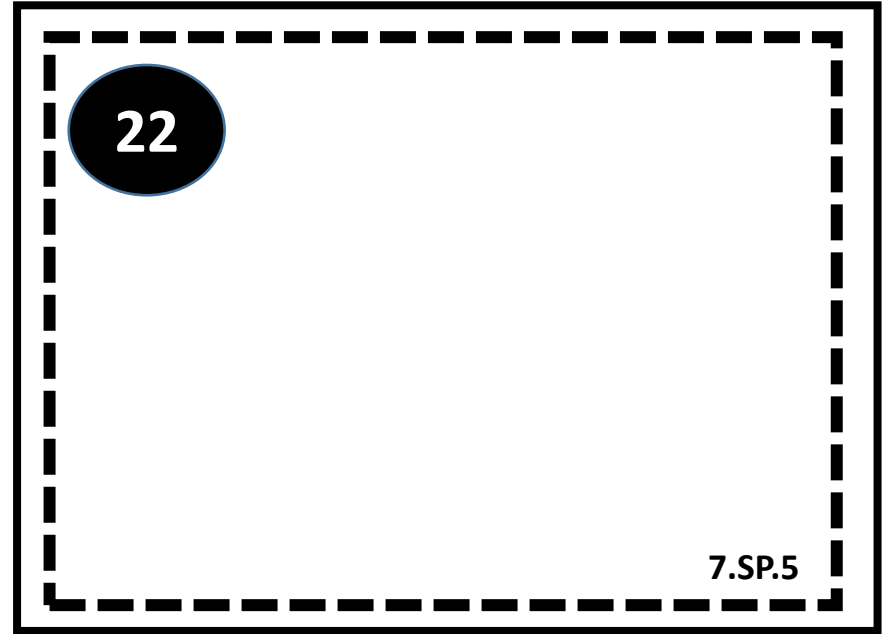
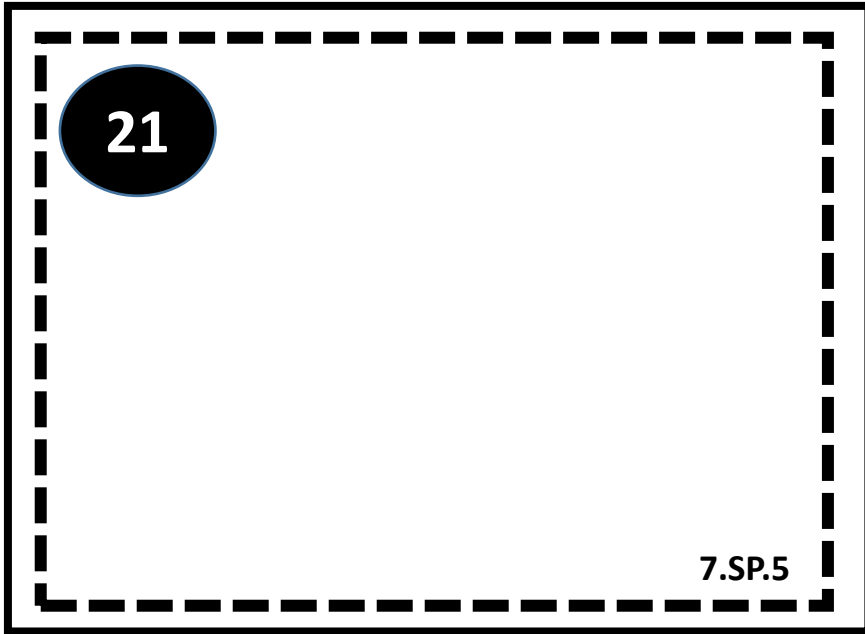
7.SP.5

20

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 $P(\text{consonant})$ 

7.SP.5





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True or False

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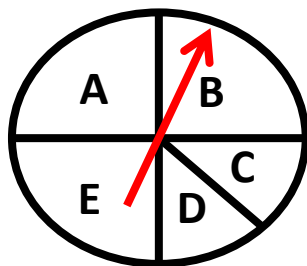
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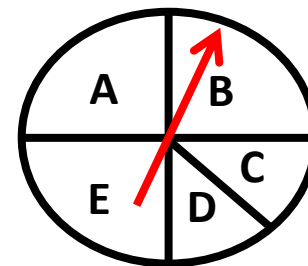
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7.SP.5

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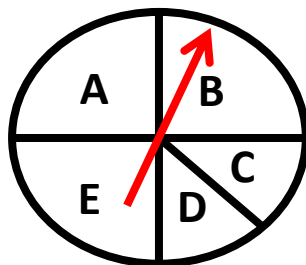
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7.SP.5

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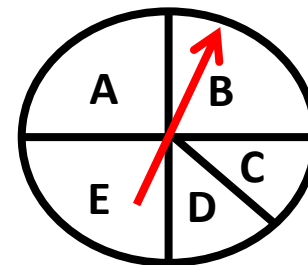
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7.SP.5

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7.SP.5

21

7.SP.5

22

7.SP.5

23

7.SP.5

24

7.SP.5

Name \_\_\_\_\_

Hour \_\_\_\_\_

# 7.SP.5 Recording Sheet

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

Name \_\_\_\_\_

Hour \_\_\_\_\_

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.



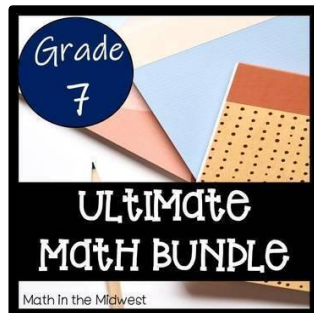
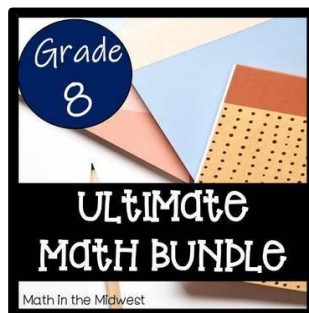
# Answer Key

Number	Answer
1	False
2	True
3	True
4	False
5	Probability
6	Ratio, occurs, outcomes
7	$\frac{1}{2}$
8	$\frac{1}{6}$
9	Neither unlikely or likely
10	unlikely

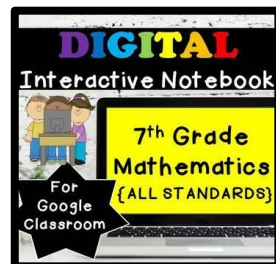
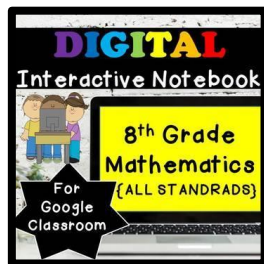
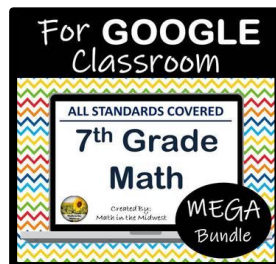
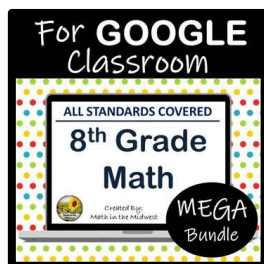
Number	Answer
11	Likely
12	Neither unlikely or likely
13	Likely
14	Neither unlikely or likely
15	1
16	0
17	$\frac{1}{4}$
18	$\frac{1}{8}$
19	$\frac{1}{2}$
20	$\frac{1}{2}$

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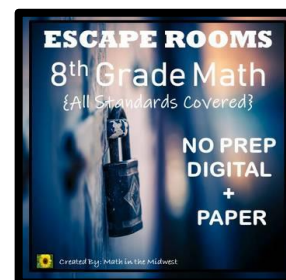
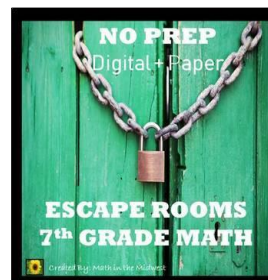
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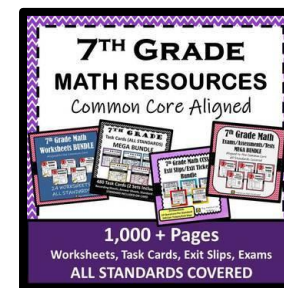
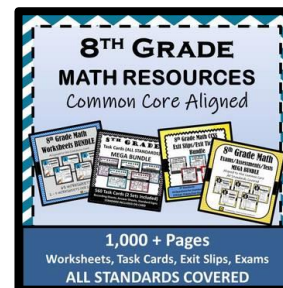
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