#58

Name_____
Period _____

7.SP.5: Worksheet

A B C Acc

1. The weather forecast states that the probability it will rain tomorrow is 0.30. Is it impossible, unlikely, neither likely nor unlikely, likely, or guaranteed that it will rain tomorrow?

A B C Acc

2. The probability of randomly selecting a yellow marble from a bag of marbles is 0. What conclusion can we draw?

A B C Acc

3. The probability of randomly selecting a yellow marble from a bag of marbles is 1. What conclusion can we make?

C Acc

4. A student states that the probability that a plastic cup flipped in the air will land on its side is .5. What conclusion can be made?

B/C

5. If an event is likely to occur, then the probability of the event occurring is between which two numbers?

B/C

6. According to the weather forecast, the probability that it will snow on Monday is 0.65, and the probability that it will snow on Tuesday is 0.40. On which of the two days is it more likely to snow?

A

7. A fair coin is tossed. What is the probability that the coin lands with the tails side up?

C/ Acc

8. The probability of randomly selecting boy from a seventh grade class of students is $\frac{5}{9}$, and the probability of randomly selecting a student with brown hair is $\frac{2}{3}$. Which of the two events is more likely to occur?

B

9. The probability that Michael Jordan makes a free throw is 0.75. The next time he attempts a free throw, how likely is he to make it?

B/C

10. The probability that all of the students will be present in class is 0.6. The probability that at least one student will be absent from class is 0.4. Which of the two events is more likely?

more below...

11)

A

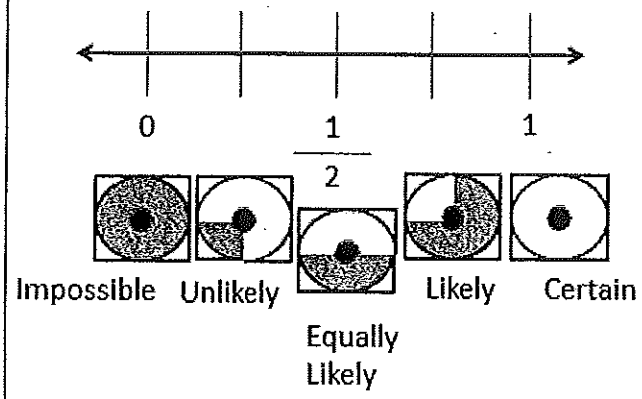
B

C

Acc

A bucket contains 6 gray marbles.

Randomly if you pick a marble from the bucket, what is the probability that you will select a gray marble?



- ○ **Impossible**
- ○ **Unlikely**
- ○ **Equally likely**
- ○ **Likely**
- ○ **Certain**

12)

A

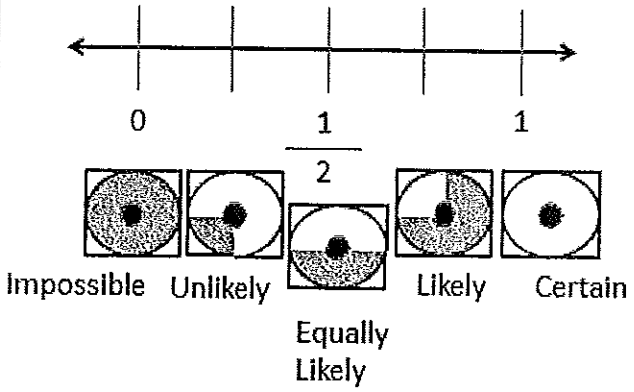
B

C

Acc

A bucket contains 2 gray, 1 white and 4 black marbles.

Randomly if you pick a marble from the bucket, will the probability be closer to 0 or to 1 that you will select a white marble?



- ○ **Impossible**
- ○ **Unlikely**
- ○ **Equally likely**
- ○ **Likely**
- ○ **Certain**

HOMEWORK

Name:

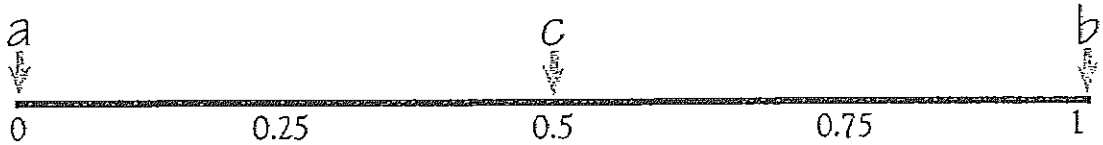
Probability scale 0 to 1

Look at this probability line.

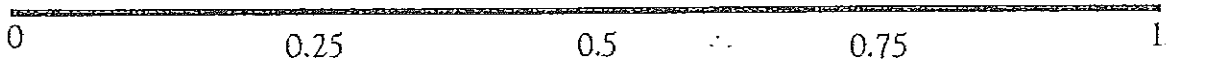
Impossible = 0
Poor chance = 0.25
Fair = 0.5
Good chance = 0.75
Certain = 1

Write each letter in the correct place on the probability line.

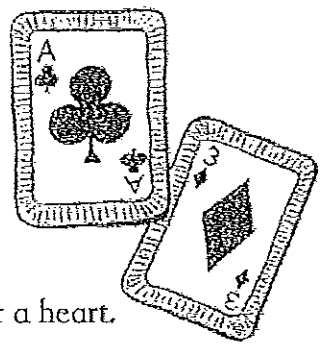
a. It will be daylight in New Orleans at midnight.
b. The sun will come up tomorrow.
c. If I toss a coin it will come down heads.



WALKING THE LINE



Write each letter in the correct place on the probability line.



C/Acc 13) a. If I cut a pack of cards I will get a red card.

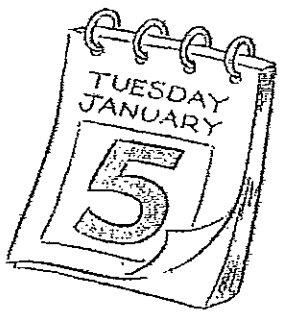
C/Acc 14) b. If I cut a pack of cards I will get a diamond.

C/Acc 15) c. If I cut a pack of cards I will get a diamond, a spade, or a club.

C/Acc 16) d. If I cut a pack of cards I will get a diamond, a spade, a club, or a heart.

C/Acc 17) e. If I cut a pack of cards it will be a 15.

Write each letter in the correct place on the probability line.



B/A 18) Next week, Wednesday will be the day after Tuesday.

B/A 19) There will be 33 days in February next year.

B/A 20) It will snow in Miami in May.

B/A 21) It will snow in Chicago in January.

B/A 22) The next person to knock on the door will be a woman.

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