

3. A jar contains these marbles –

- 5 blue marbles
- 4 red marbles
- 2 orange marbles
- 4 yellow marbles

All the marbles are the same size. Justin will choose 1 marble from this jar without looking.

Complete these statements by circling which word makes it true.

It is most likely that Justin will choose a

Choose...	▼
Blue	
Red	
Orange	
Yellow	

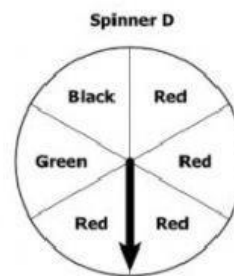
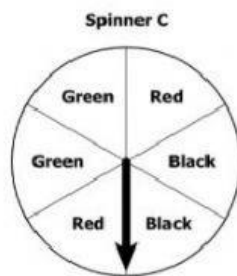
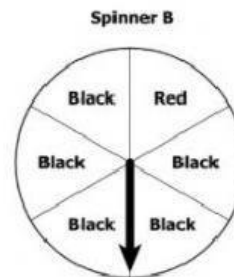
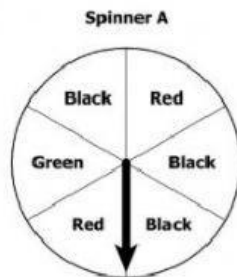
marble from this jar.

It is equally likely that Justin will choose a

Choose...	▼
Blue or Yellow	▾
Red or Orange	
Orange or Yellow	
Yellow or Red	

marble from this jar.

4. The probability that the arrow on a spinner will land on a space labeled red is $\frac{4}{6}$. Which spinner best represents this situation?



a. Spinner A

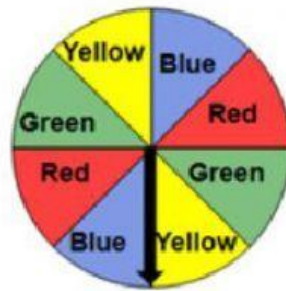
b. Spinner B

c. Spinner C

d. Spinner D

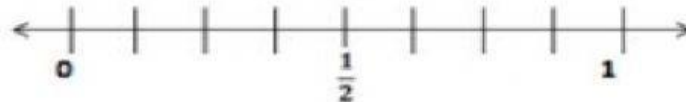
For questions 5 and 6, use the spinner and situation below.

Maria has a spinner with eight equal sections as shown. She will spin the arrow on this spinner one time.



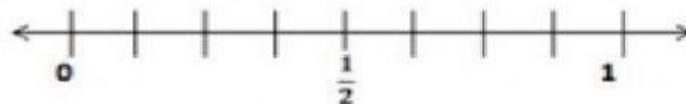
Place a point on the number line to represent the probability described in each situation.

5. What is the probability the arrow will land on a section that is NOT yellow?



- a. certain
- b. most likely
- c. least likely
- d. impossible

6. What is the probability the arrow will land on a green section?

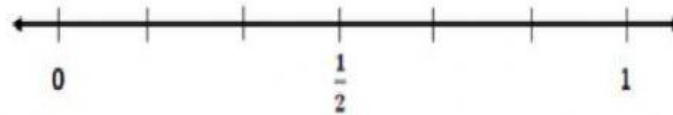


- a. certain
- b. most likely
- c. least likely
- d. impossible

For questions 7 and 8, use the scenario below.

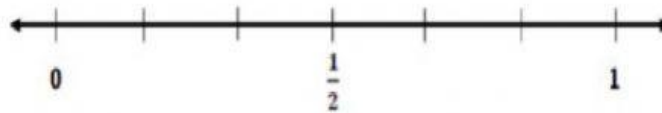
Lauren will roll a fair number cube that has sides labeled 1 through 6. Place a point on the number line to represent the probability of each situation.

7. What is the probability Lauren will roll a 5 on the first roll?



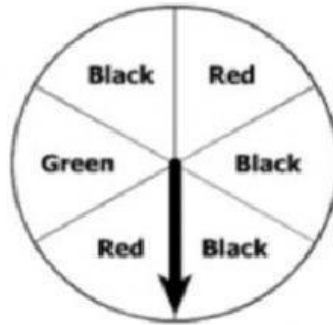
- a. certain
- b. most likely
- c. least likely
- d. impossible

8. What is the probability she will roll a number greater than 6?

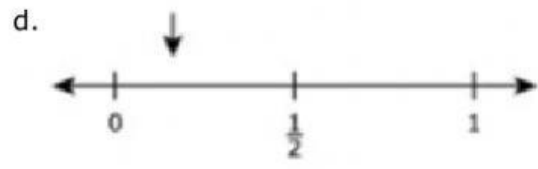
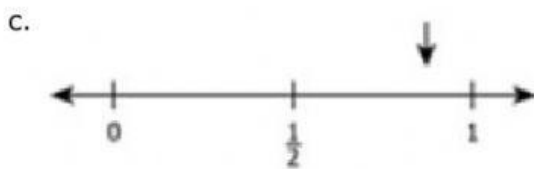
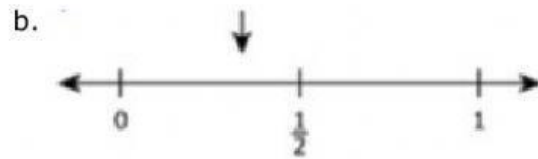
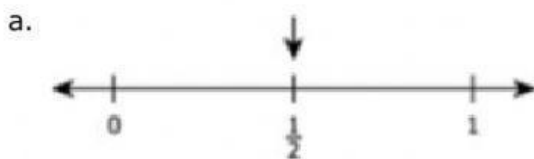


- a. certain
- b. most likely
- c. least likely
- d. impossible

9. William will spin the arrow on this spinner one time.



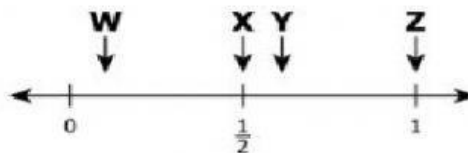
William has an equally likely chance that he will land on a black space. Which number line best represents the probability the arrow will land on a space labeled black?



10. Ethan has erasers in his pencil bag.

- There are orange erasers and purple erasers.
- All the erasers are the same size and shape.
- Ethan is certain to select an orange or purple eraser.

Which letter represents the probability Ethan will select an orange or purple eraser?



- a. W
c. Y

- b. X
d. Z