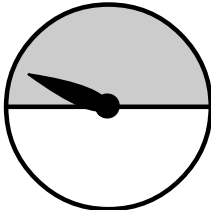


Probability: Skill 5 - 26A

Answers to test question 26A.



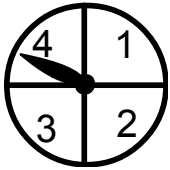
On which color is the spinner less likely to land?

- white
- gray
- neither: The likelihood of landing on gray or white is equally likely.

The answer is c.

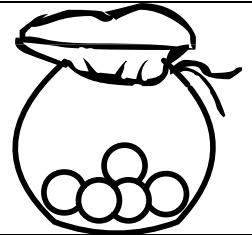
Probability is the chance or the likelihood that an event will happen.

Define equally likely – the outcomes all have an equal chance of occurring.

<p>What are the possible outcomes if you spin this spinner?</p> 	<p>Possible outcomes: 1,2,3,4</p>	<p>The possible outcomes 1,2,3,4 are called a <i>sample space</i>.</p>	<p>The outcomes all have an equal chance of occurring so, the outcomes are equally likely.</p>
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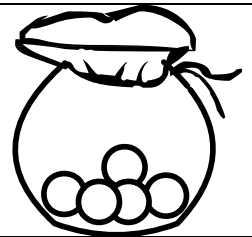
What is the probability of picking a white marble from a bag with 5 white marbles in it?

answer: **certain**. It is certain that you will pick a white marble because there are only white marbles in the bag.



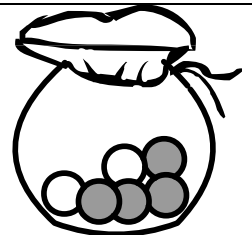
What is the probability of picking a black marble from a bag with 5 white marbles in it?

answer: **impossible**. It is impossible to pick a black marble because there are only white marbles in the bag.



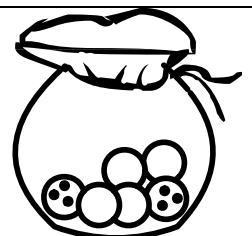
If you pick a marble without looking from this bag is it more likely that you will pick a gray marble than white marble?

answer: Yes it is **more likely** that you will pick a gray marble because there are 4 gray marbles and only 2 white marbles in the bag.



If you pick a marble without looking from this bag is it less likely that you will pick a spotted marble than white marble?

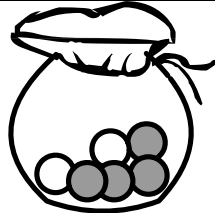
answer: Yes it is **less likely** that you will pick a spotted marble because there are 2 spotted marbles in the bag but there are 4 white marbles in the bag.



Probability: Skill 5 - 26A

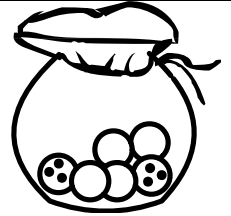
Directions: Circle the best answer.

1. If you pick a marble without looking, which color are you **less likely** to pick?



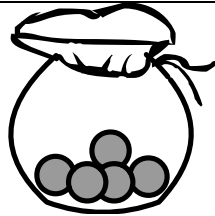
a. white b. gray c. neither; white and gray are equally likely.

2. If you pick a marble without looking, which color are you **more likely** to pick?



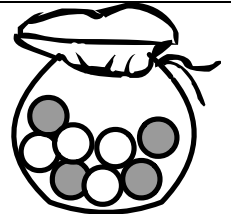
a. spotted b. white c. neither; spotted and white are equally likely.

3. If you pick a marble without looking, what is the probability that you will pick a gray marble?



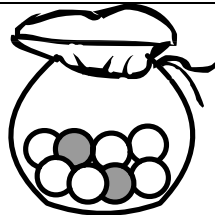
a. impossible b. likely c. unlikely d. certain

4. If you pick a marble without looking, which color are you **more likely** to pick?



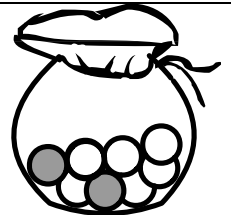
a. gray b. white c. neither; gray and white are equally likely.

5. If you pick a marble without looking, which color are you **more likely** to pick?



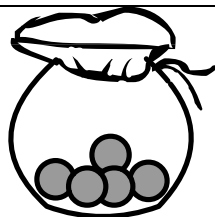
a. white b. gray c. spotted

6. If you pick a marble without looking, which color are you **less likely** to pick?



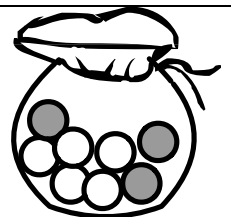
a. spotted b. white c. gray

7. If you pick a marble without looking, what is the probability that you will pick a white marble?



a. impossible b. likely c. unlikely d. certain

8. If you pick a marble without looking, which color are you **less likely** to pick?



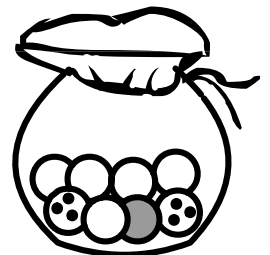
a. white b. gray c. neither; white and gray are equally likely.

9. Circle one.

If you pick a marble without looking, are you **less likely** to pick a spotted marble than a white marble? yes or no

If you pick a marble without looking, are you **more likely** to pick a gray marble than a spotted marble? yes or no

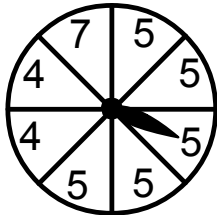
If you pick a marble without looking, what is the probability that you will pick a white, gray, or spotted marble? a. impossible b. more likely c. less likely d. certain



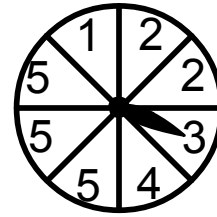
Probability: Skill 5 - 26A

Directions: Fill in the blank with more, less, or equally.

- 10. Spinning a 5 is _____ likely than spinning a 4.
- 11. Spinning a 7 is _____ likely than spinning a 5.
- 12. Spinning a 4 is _____ likely than spinning a 7.

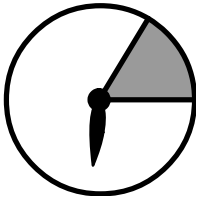


- 13. Spinning an odd number is _____ likely than spinning an even number.
- 14. Spinning a 5 is _____ likely than spinning a 2.
- 15. Spinning a 1 is _____ as likely as spinning a 4.

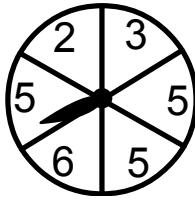


Directions: Describe the probability of each event. Write more likely, less likely, equally likely, certain or impossible

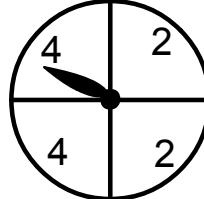
16. Describe the probability of the spinner landing on gray?



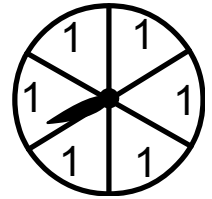
17. Describe the probability of spinning a 2 or 3?



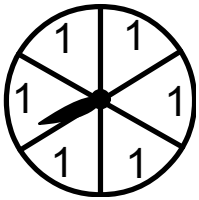
18. Describe the probability of spinning a 2 or 4.



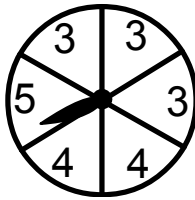
19. Describe the probability of spinning a 1.



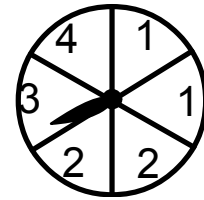
20. Describe the probability of spinning a 2.



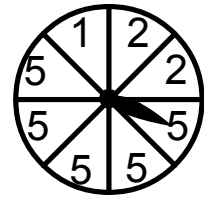
21. Describe the probability of spinning an odd number.



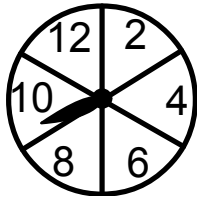
22. Describe the probability of spinning a 1 or 2?



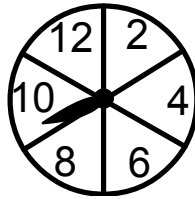
23. Describe the probability of spinning a 3?



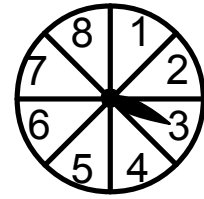
24. Describe the probability of spinning an odd number.



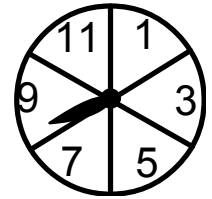
25. Describe the probability of spinning an even number.



26. Describe the probability of spinning a 9.



27. Describe the probability of spinning an even number.



Answer Key 5-26A

- | | | | |
|---------------------|--------------------|-------------------------|----------------------|
| 1. a. white | 2. b. white | 3. d. certain | 4. c. neither |
| 5. a. white | 6. c. gray | 7. a. impossible | 8. b. gray |
| 9. yes, no, certain | | | |
| 10. more | 11. less | 12. more | |
| 13. more | 14. more | 15. equally | 16. less likely |
| 17. equally likely | 18. equally likely | 19. certain | 20. impossible |
| 21. more likely | 22. equally likely | 23. impossible | 24. impossible |
| 25. certain | 26. impossible | 27. impossible | |