May 18, 2021

7th Grade
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Today we will:

-Review HW

-Work in ALEKS

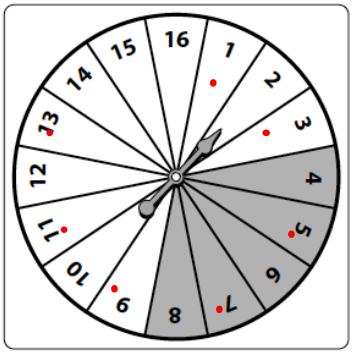
HOMEWORK:

Complete ALEKS assignment on probability

Lesson 6 Skills Practice

Probability of Simple Events

A spinner like the one shown is used in a game. Determine the probability of each outcome if the spinner is equally likely to land on each section. Express each probability as a fraction and as a percent. Then describe the likelihood of the event. Write *impossible, unlikely, equally likely, likely,* or *certain.*



1. *P*(10) $\frac{1}{16}$ or 6.25%; unlikely

2. *P*(odd) $\frac{1}{2}$ or 50%; equally likely

3. *P*(greater than 7) $\frac{9}{16}$ or 56.25%; likely

4. *P*(prime) $\frac{3}{8}$ or 37.5%; unlikely

5. *P*(1 or 2) $\frac{1}{8}$ or 12.5%; unlikely

6. *P*(less than 5) $\frac{1}{4}$ or 25%; unlikely

7. *P*(shaded) $\frac{5}{16}$ or 31.25%; unlikely

8. *P*(not shaded) $\frac{11}{16}$ or 68.75%; likely

A bag contains 6 red, 3 blue, 15 green, and 6 yellow marbles. A marble is selected without looking. Determine the probability of each outcome if it is equally likely to select each marble. Express each probability as a fraction and as a percent. Then describe the likelihood of the event. Write *impossible, unlikely, equally likely, likely,* or *certain.*

9. *P*(blue) $\frac{1}{10}$ or 10%; unlikely

10. *P*(red) $\frac{1}{5}$ or 20%; unlikely

11. *P*(green) $\frac{1}{2}$ or 50%; equally likely

12. *P*(not yellow) $\frac{4}{5}$ or 80%; likely

13. *P*(not green) $\frac{1}{2}$ or 50%; equally likely

14. *P*(black) 0 or 0%; impossible

15. *P*(not blue) $\frac{9}{10}$ or 90%; likely

16. *P*(not red) $\frac{4}{5}$ or 80%; likely

17. *P*(red, blue, green, or yellow) 1 or 100%; certain

A bag contains some tiles. Each tile has the number 1, 10, 100, or 1000 written on it. The table shows the frequency of each number in the bag. You choose a tile at random. Determine the probability of each outcome if it is equally likely to select each tile. Express each probability as a fraction and as a percent. Then describe the likelihood of the event. Write *impossible, unlikely, equally likely, likely,* or *certain.*

Number	1	10	100	1000
Frequency	22	16	7	5

18. *P*(10) $\frac{8}{25}$ or 32%; unlikely

19. *P*(not 100) $\frac{43}{50}$ or 86%; likely

20. *P*(1000) $\frac{1}{10}$ or 10%; unlikely

21. *P*(even) $\frac{14}{25}$ or 56%; likely

22. *P*(not 1000) $\frac{9}{10}$ or 90%; likely

23. *P*(not even) $\frac{11}{25}$ or 44%; unlikely

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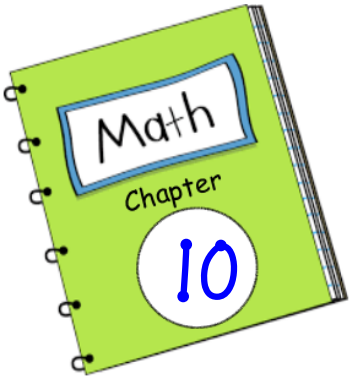

TITLE: Statistics

Date	Lesson	Topic/Assignment
4/29	1	Measures of Center Packet
4/30	2	Measures of Variability Packet
5/3	1-2	HW Practice WS
5/4	3	MAD Video Notes
5/6	3	#2 and #5 Practice WS
5/6	3	In-Class Question
5/6	3	Reteach WS
5/17	6	Probability of Simple Events Notes
5/17	6	Skills WS

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Welcome to our class
IN THIS CLASSROOM WE DON'T give up, BUT WE DO give our best effort
HARD WORK PAYS OFF
WELCOME
7th Grade Homework
ALEKS Homework Assignment