Lesson 1 Skills Practice

Probability of Simple Events

A card is randomly chosen. Find each probability. Write each answer as a fraction, a decimal, and a percent.

A   B   S
K   Q   E
O
R

1. $P(B)$ $\dfrac{1}{8}$ .125   12.5%
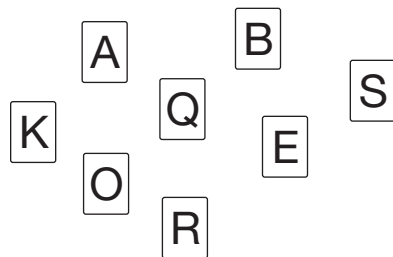
2. $P(Q \text{ or } R)$ $\dfrac{2}{8}$ .25   25%

3. $P(\text{vowel})$ $\dfrac{3}{8}$ .375   37.5%

4. $P(\text{consonant or vowel})$ $\dfrac{8}{8}$ 1, or 100%

5. $P(\text{consonant or A})$ $\dfrac{3}{4}$ 0.75, or 75%

6. $P(T)$ $\dfrac{0}{8}$ 0.0, or 0%

The spinner shown is spun once. Write a sentence explaining how likely it is for each event to occur.
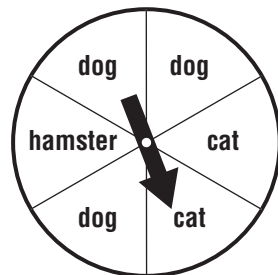

7. $P(\text{dog})$ $\dfrac{1}{2}$ .5   50%

8. $P(\text{hamster})$ $\dfrac{1}{6}$ .16   16%

9. $P(\text{dog or cat})$ $\dfrac{5}{6}$ .83   83%

10. $P(\text{bird})$ $\dfrac{0}{6}$ .0   0%

11. $P(\text{mammal})$ $\dfrac{6}{6}$ 1   100%

WEATHER The weather reporter says that there is a 12% chance that it will be moderately windy tomorrow.

12. What is the probability that it will not be windy? $\dfrac{22}{25}$ 0.88   88%

13. Will tomorrow be a good day to fly a kite? Explain.

No it wouldn't be a good day to fly a kite
because theirs a 12% chance for the day to be
windy.

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