

# Lesson 1 Homework Practice

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## Probability of Simple Events

The spinner shown is spun once. Find each probability. Write each answer as a fraction, a decimal, and a percent.

1.  $P(C) = \frac{1}{6}$  .16 16%

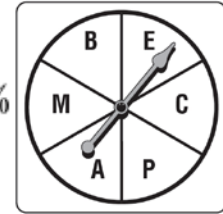
2.  $P(G) = \frac{0}{6}$  0 0%

3.  $P(M \text{ or } P) = \frac{2}{6}$  .3 30%

4.  $P(B, E, \text{ or } A) = \frac{3}{6} = \frac{1}{2}$  30 30%

5.  $P(\text{not vowel}) = \frac{4}{6}$  .6 60%

6.  $P(\text{not } M) = \frac{5}{6}$  .83 83%



Eight cards are marked 3, 4, 5, 6, 7, 8, 9, and 10 such that each card has exactly one of these numbers. A card is picked without looking. Find each probability. Write each answer as a fraction, a decimal, and a percent.

7.  $P(9) = \frac{1}{8}$  .125 12.5%

8.  $P(3 \text{ or } 4) = \frac{2}{8}$  0.25 25%

9.  $P(\text{greater than } 5) = \frac{5}{8}$  .625 62.5%

10.  $P(\text{less than } 3) = \frac{0}{8}$  .0 0%

11.  $P(\text{odd}) = \frac{4}{8} = \frac{1}{2}$  .5 50%

12.  $P(4, 7, \text{ or } 8) = \frac{3}{8}$  .375 37.5%

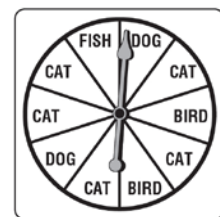
13.  $P(\text{not } 6) = \frac{7}{8}$  .875 87.5%

14.  $P(\text{not } 5 \text{ and not } 10) = \frac{6}{8}$  .75 75%

The spinner is spun once. Write a sentence stating how likely it is for each event to happen. Justify your answer.

15. fish  $\frac{1}{10}$  .1 10%

16. cat  $\frac{5}{10} = \frac{1}{2}$  .1 10% it's a 10% chance



17. bird, cat, or fish  $\frac{8}{10}$  .8 80% it's a 80% chance as you can see

18. PLANTS Of the water lilies in the pond, 43% are yellow. The others are white. A frog randomly jumps onto a lily. Describe the complement of the frog landing on a yellow lily and find its probability.

There is a 57% chance of it landing on a white