NAME Maddie DATE 4-28-21 PERIOD 1

Lesson 1 Homework Practice

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) 1/6 $.1\overline{6}$ $16\overline{6}\%$

2. *P*(G) 0/6 .0 0%

3. *P*(M or P) 2/6= 1/3 $.3\overline{3}$ $33\overline{3}\%$

4. *P*(B, E, or A) 3/6= 1/2 .5 5%

5. *P*(*not* vowel) 4/6= 2/3 $.6\overline{6}$ $66\overline{6}\%$

6. *P*(*not* M) 5/6 $.8\overline{3}$ $83\overline{3}\%$

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) 1/10 .1 1%

8. *P*(3 or 4) 2/10= 1/5 .2 2%

9. *P*(greater than 5) 5/10= 1/2 .5 5%

10. *P*(less than 3) 2/10= 1/5 .2 2%

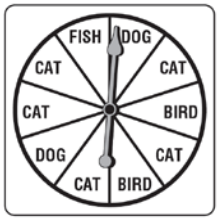
11. *P*(odd) 3/10 .3 3%

12. *P*(4, 7, or 8) 3/10 .3 3%

13. *P*(*not* 6) 9/10 .9 9%

14. *P*(*not* 5 and *not* 10) 8/10= 4/5 .8 8%

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



15. fish

1/10

16. cat

5/10= 1/2

17. bird, cat, or fish

8/10= 4/5

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.

57% 43%+57%=100%