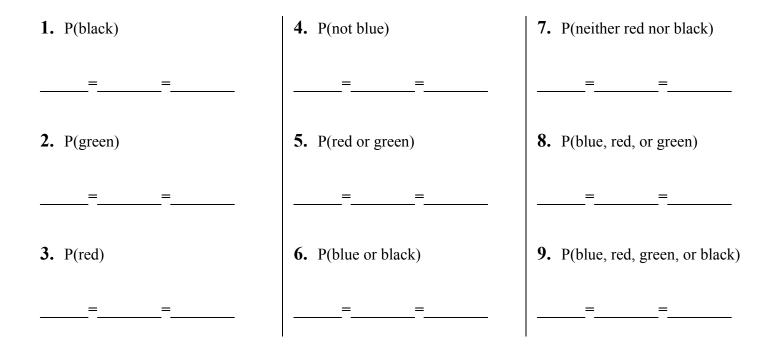
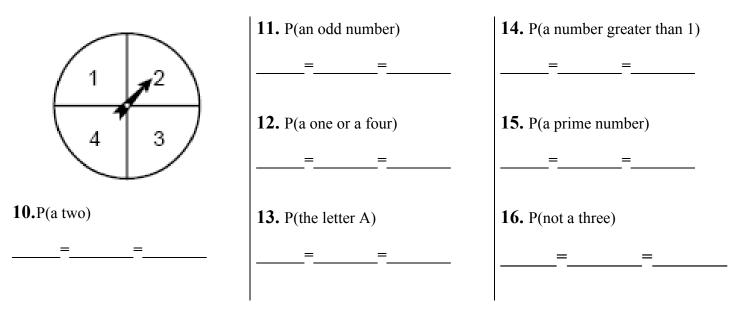
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	HW 9-1				
Int 1	Probability				Unit 9

INSTRUCTIONS: For each of the following situations, write the probability as a **SIMPLIFIED fraction**, **a decimal**, **and a percent**. Do NOT round answers. Use a repeating bar when necessary.

There are 4 blue marbles, 5 red marbles, 1 green marble, and 2 black marbles in a bag. Suppose you select one marble at random. Find each probability.

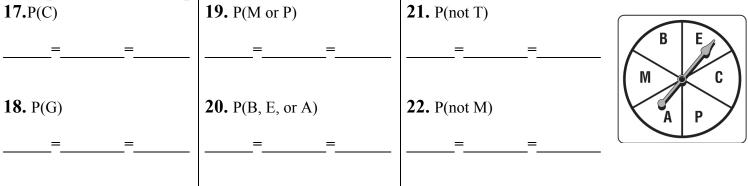


A spinner like the one at the right is used in a game. Determine the probability of spinning each outcome if the spinner is equally likely to land on each section.



INSTRUCTIONS: For each of the following situations, write the probability as a **SIMPLIFIED fraction**, a decimal, and a percent. Do NOT round answers. Use a repeating bar when necessary.

The spinner shown is spun once.



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.

23. P(9)	26. P(less than 3)	29. P(not 6)
==	==	==
24. P(3 or 4)	27. P(odd)	30. P(not 5 and not 10)
==	==	==
25. P(greater than 5)	28. P(4, 7, or 8)	
==	==	

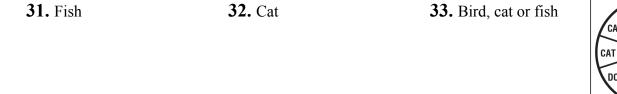
The spinner is spun once. Write a sentence stating how likely it is for each event to happen. Justify your answer using math.

FISH ADOG

CAT

DOG CAT BIRD CAT

BIRD



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

A number cube is rolled 20 times and lands on 1 two times and on 5 four times. Find the experimental probability. Then compare the experimental probability to the theoretical probability.

35.Landing on a 5

Experimental Probability:

36. Not landing on 1

Experimental Probability:

Theoretical Probability:

Theoretical Probability:

Compare:

Compare:

The spinner at the right is spun 12 times. It lands on blue 1 time.

37.What is the experimental probability of landing on blue?

38. Are the experimental and theoretical probabilities close? Explain.

