

Math 2

Name: _____

Unit 6 Quiz Review

Date: _____

1. What is the sample space of tossing a coin and spinning a spinner with colors red, blue, yellow and green?
2. In question 1, what is the probability that you will flip heads and spin yellow?
3. What is the probability of picking a spade from a deck of cards, replacing it, then picking an ace?
4. What is the probability of being dealt a hand of 3 cards that are all red?
5. What is the probability that you will pick a heart or a face card from a standard deck of cards?
6. How many outcomes are possible when flipping a coin, tossing a die and picking a card from a standard deck of cards?
7. There are 18 blue marbles, 2 green marbles and 10 yellow marbles in a bag. What is the probability of picking a green or blue marble?
8. There are 18 blue marbles, 2 green marbles and 10 yellow marbles in a bag. What is the probability of picking a blue marble three times in a row without replacing the marble each time?

9. The probability that Stephen Curry makes a 3-pointer is 41%. What is the probability (to the nearest tenth of a percent) that Stephen Curry misses both of his next two 3-pointer attempts?

10. The following table shows the breakdown of students who scored at least an 80% on a test. Find the following probabilities leaving answers as simplified fractions.

	Scored Less than 80	Scored 80 or higher
Males	22	30
Females	16	32

Randomly choosing one student, what is:

- a) $P(\text{Male and Scored Less than 80})$
- b) $P(\text{Female})$
- c) $P(\text{Scored 80 or higher})$
- d) $P(\text{Female or scored higher than 80})$

Two people choose one student randomly. (They could be the same person), what is:

- a) $P(\text{Both Scored 80 or higher})$
- b) $P(\text{First student is male and second student is a female or a student who scored less than 80})$