

Section 1.2 Extra Practice

1. Complete the table.

	Fraction	Decimal	Percent
a)	$\frac{3}{4}$		
b)	$\frac{2}{5}$		
c)		0.6	
d)		0.05	
e)			80%

2. A charity lottery claims that the chance of winning a prize is 1 in 5. Express the probability of winning as a fraction, a decimal, and a percent.

3. a) You have one die. What is the probability of rolling a 4?
 b) What is the probability of rolling a 5?
 c) What is the probability of rolling a 6?
 d) Explain why the answers to parts a), b), and c) are the same.
 e) What is the probability of rolling an even number?

4. A lake is stocked with 150 fish for a fishing derby. Ten fish are tagged 3rd Prize, five fish are tagged 2nd Prize, and one fish is tagged Grand Prize. Dylan catches the first fish.

- a) What is the probability that Dylan's fish is the Grand Prize fish?
 b) What is the probability that Dylan's catch is one of the 2nd Prize fish?
 c) What is the probability that Dylan's catch is one of the 3rd Prize fish?
 d) What is the probability that Dylan's catch is any one of the tagged fish?

5. On the drive to school you pass two traffic lights.

- a) List all of the possible combinations of lights you could get. Use R for red, G for green, and Y for yellow.
 b) What is the probability of getting 2 red lights?
 c) What are the odds of getting 2 red lights?

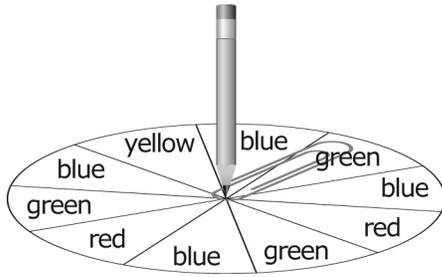


Name: _____

Date: _____

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(continued)

6.



a) State the probability of the spinner landing on each colour. Write your answers as a percent.

blue: _____

green: _____

red: _____

yellow: _____

b) What are the odds of the spinner landing on blue or yellow?

c) What are the odds of the spinner landing on green or blue?

d) What is the probability of the spinner not landing on blue?

7. A clock is dropped and stops working. What is the probability that the second hand is stopped after the 12 and before the 1? Show how you solved the problem.

