#2 Question Set

A

In Steph's locker there are 4 textbooks and 7 notebooks

a. What is the ratio of textbooks to notebooks?

b. What is the ratio of the combined notebooks and textbooks to just notebooks?

c. If Steph tripled the amount of textbooks in her locker, what would the ratio of textbooks to notebooks be?

B

Determine if the following ratios are equivalent.

$$75 : 45 \text{ and } 45 : 27$$

C

Determine if the following ratios are equivalent.

If June says that she got 10 out of every 16 questions right on her test, does it mean that she could have gotten 25 questions right out of 80 questions?

D

Fill in the following ratio table with equivalent ratios.

5	6
	24
25	
35	
	48
55	

E

Teeth	$
4	20
7	

Stacy lost 4 teeth and earned $20. How much money would she earn if she lost 7 teeth?

F

The ratio of oil to vinegar in the salad dressing is 3 : 5. The total of both ingredients is 32 tablespoons. How many tablespoons of each ingredient as used?

G

The ratio of crackers to pretzels is 3 : 8. If there are 15 more pretzels than crackers, how many pretzels are there?

H

Brian, Tim and Kenny got paid a total of $240 for mowing neighborhood lawns. They split the money in the ratio of 5 : 9 : 10.

How much less did Brian make than Tim?

I

Sarah went swimming. She is able to swim 5 laps every 2 minutes.

Laps	Minutes
5	2

A

a) _____

b) _____

c) _____

B

C

D

E

_____ Dollars

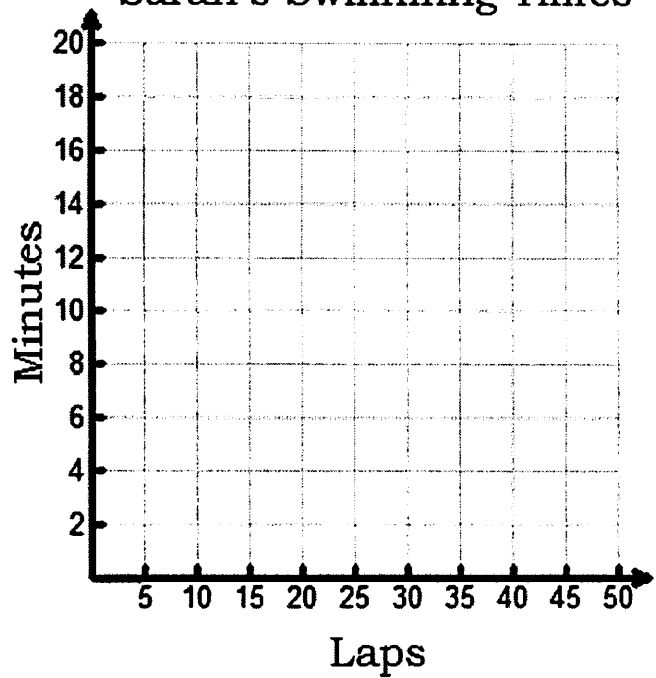**F**

_____ Tbs. of Oil

_____ Tbs. of Vinegar

G

_____ Pretzels

Brian made $_____ than Tim

Complete the Table with Equivalent Ratios. Then Graph and Answer the Questions Below.

Laps	Minutes

Sarah's Swimming Times

a) According to the graph, if Sarah swims 40 laps, how many minutes will it take her?

b) How many laps can Sarah swim in 30 minutes?