

4 Question Set

3/5/2014

A

Favorite Subject	Boys	Girls
Language Arts	2	7
Math	4	2
Science	5	2
Social Studies	4	4
Total	15	15

- What is the ratio of boys who like Science to students who do not like Social Studies?
- What is the ratio of the total students to the girls?
- What is the ratio of students who like Math and Language Arts to the girls who like Science and Social Studies?

B

Determine if the following ratios are equivalent.

$$72 : 8 \text{ and } 63 : 9$$

C

Determine if the following ratios are equivalent.

Steven made 12 out of 20 basketball shots he took in gym. Does this mean the ratio of Steven's makes to misses was 4 : 3?

D

Fill in the following ratio table with equivalent ratios.

13	8
	24
	56
117	
	80
143	

E

Slices	Pizzas
	10
192	24

There are 192 slices of pizza in 24 pizzas. How many slices of pizza are there in 10 pizzas?

F

Mary can read 8 pages in 12 minutes. How long would it take her to read a 100-page book?

G

A company has 3 cars for every 9 trucks it owns. If the company owns 16 more trucks than cars, how many trucks does the company own?

H

A gym teacher has 20 soccer balls and 12 footballs. The teacher wants to put four times as many soccer balls as footballs in one bin. The teacher wants to put twice as many footballs as soccer balls in another bin. How many soccer balls and footballs should the teacher put in the first bin?

Hint: Set up 2 Bar Diagrams. One for each Bin!

I

Stu makes 5 out of every 12 shots he takes at his basketball practice.

Makes	Shots
5	12

A

a) _____

b) _____

c) _____

B

C

D

E

F

_____ Slices

_____ Minutes

G

_____ Trucks

H

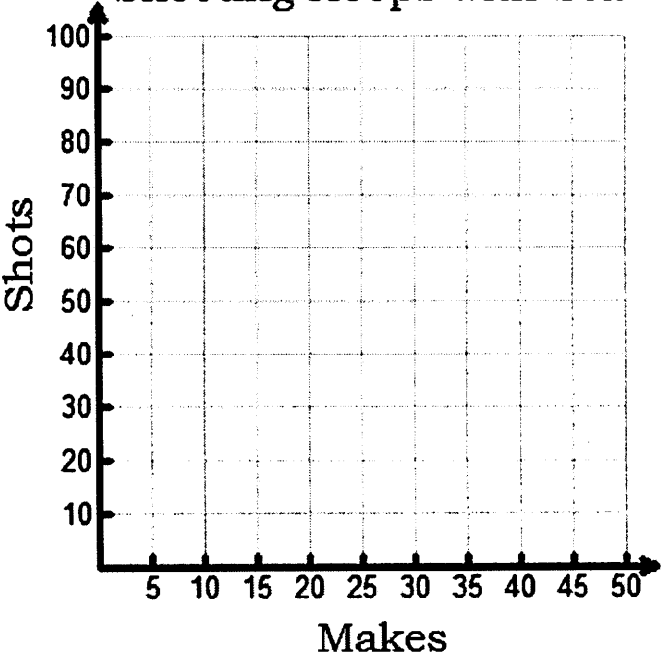
_____ Soccer Balls and _____ Footballs in the First Bin

I

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

Shooting Hoops with Stu

Makes	Shots



- a) According to the graph, if Stu makes 35 shots, how many did he shoot?

- b) If Stu takes 144 shots, how many will he miss?