

#3 Question Set

3/5/2014

A

Jeremy got 15 out of 20 questions right on his math test

- What is the ratio of questions he got right to questions he got wrong?
- What is the ratio of the total questions to the number of questions he got wrong?
- The next day the teacher added 6 more questions to the end of the test. If Jeremy got them all right, what is the ratio of the total number of questions to the number of questions correct?

B

Determine if the following ratios are equivalent.

$56 : 84$ and $141 : 188$

C

Determine if the following ratios are equivalent.

Out of 12 flower arrangements, 5 had roses. Jessica counted a total of 84 flower arrangements and said 36 of them had roses. Was she correct?

D

Fill in the following ratio table with equivalent ratios.

9	2
	6
36	
	12
	20
108	

E

Pushups	Calories
12	30
	75

Jesse does 12 pushups and burns 30 calories. How many pushups does Jesse need to do to burn 75 calories?

F

In Mr. Harrington's sixth grade classes, 5 out of every 6 students turned in their field trip slips. If there is a total of 36 students in his classes, how many turned in their field trip slips?

6

On a typical day, Susan noticed that 7 out of every 9 birds were robins. If Susan saw 10 more robins than other birds, how many of them were robins?

H

For every 7 baseballs the gym teachers have, they have 8 softballs and 3 volleyballs.

If there are 25 more softballs than volleyballs, how many baseballs are there?

I

Beth is making smoothies that call for 2 cups of strawberries for every for every 7 cups raspberries.

Strawberries	Raspberries
2	7

A

a) _____

b) _____

c) _____

B

C

D

E

F

_____ Pushups

_____ Students

G

_____ Robins

H

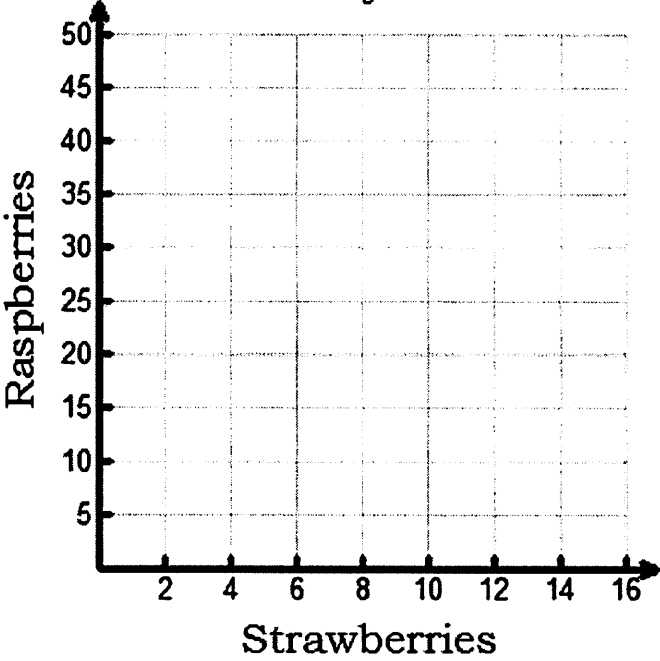
_____ Baseballs

I

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

Beth's Fruity Smoothies

Strawberries	Raspberries



- a) According to the graph, if Beth uses 14 strawberries, about how many raspberries should she use?

- b) How many strawberries should Beth use if she uses 84 raspberries?