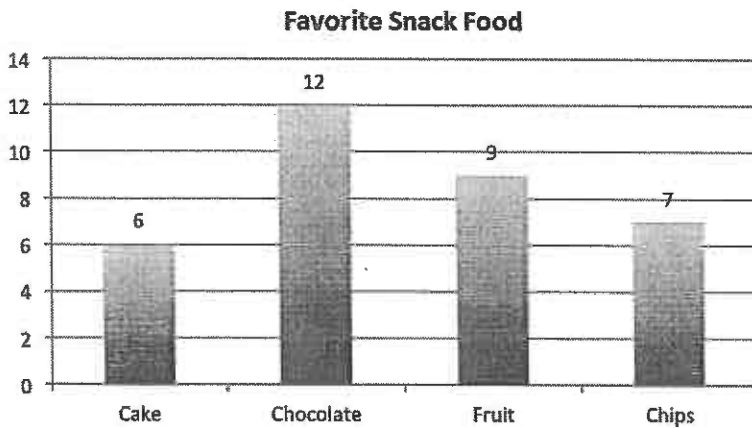


Section 5.1 Ratios: Locate and Fix the Mistake

For each of the following:

- A) Determine and state if the work shown is correct or not.
 - if the work is correct do not continue to B, C, and D
 - if the work is incorrect continue to B, C and D
- B) Explain what mistake occurred in the work.
- C) Describe how to make the correction.
- D) Actually correct the error to find the proper answer.

Use the following graph for #1 and 2.



1) Write the ratio for Fruit to Chips. Explain what the ratio means.

Ratio

9 to 7

Explain

For every 7 students who picked fruit, there was 9 who picked chips.

Corrections

2) Write the ratio of Chocolate to Snack Food. Label the ratio as either "Part-to-Part", "Part-to-Whole", or "Whole-to-Part".

Ratio

12 to 34

Part-to-Part

Corrections

3) You and your friend decide to cut the grass at some of your neighbor's houses over the summer to help earn some money. After the summer you total the hours spent cutting grass, and between the two of you it was a total of 63 hours. Based off the given tape diagram, determine how many hours your friend cut grass.

YOU:



FRIEND:



$$63 \div 7 = 9 \text{ hours}$$

you worked 27 hours

Correction

4) A baker realizes they ran out of green frosting. In their cupboard they have lots of blue and yellow frosting that they decide to mix together in a ratio of 5 to 2 in order to get the shade of green they want. If the baker needs to make a total of 21 cups of frosting, how many cups of yellow frosting do they need to use?

Blue 

Yellow 

$$21 \div 7 = 3$$


$$\text{Blue} = 3 \times 2 = 6 \text{ cups}$$

$$\text{Yellow} = 3 \times 5 = 15 \text{ cups}$$

Correction

5) In a bag of candy containing Kit-Kats, Reese's Peanut Butter Cups, and Snickers there are 90 total pieces of candy. If the ratio of pieces of candy is 5:3:7, how many pieces of each type of candy were in the bag?

Kit-Kat 

Reese's 

Snickers 

$$90 \div 15 = 6$$

$$\text{Kit-Kat} = 5 \times 6 = 30$$

$$\text{Reese's} = 3 \times 6 = 12$$

$$\text{Snickers} = 7 \times 6 = 48$$

Correction