

Example #3:

If halibut steaks cost \$2.49 for 100 g, how much will it cost to buy 250 g of halibut steaks?

SOLUTION...



2.49/100	.0249	←-----→ Unit Price...cost per gram
Ans*250	6.225	←-----→ Cost for 250 grams

Detailed Solution...

Recipe #1
 3 cups of concentrate
 7 cups of water

$$\frac{3c}{10} = 8$$

~~Recipe #2~~
~~2 cups of concentrate~~
~~5 cups of water~~

$\frac{7}{10} = 8$ You only want to make 8 cups of Recipe #1. How many cups of concentrate and how many cups of water will you need? Explain your solution.

0.7x8 ...Hint...How many cups does the recipe make in total??



$3/10 * 8$	2.4	← Amount of Concentrate
$7/10 * 8$	5.6	← Amount of Water

Detailed Solution...



Sidney Crosby

$$\frac{193}{74}$$

DISCUSS THE IDEAS

SIDNEY CROSBY, HOCKEY PLAYER

At the 2010 Olympic Winter Games in Vancouver, British Columbia, Sidney Crosby of Cole Harbour, Nova Scotia, scored the gold medal-winning goal in men's hockey. Team Canada, which had been playing at a furious pace against the United States, won the game with a score of 3 to 2.


In the 2001–2002 season, when Crosby was playing for the Dartmouth Subways, he scored 95 goals and earned 193 points in 74 games. How would you calculate the average number of points he earned per game?

Sidney's average points scored is a rate comparing his points scored to games played. Students could discuss how the number of points scored per game can vary significantly with each game, due to scoring streaks or injuries. Thus, an average rate may not always be the best indicator of an athlete's ability.

The solution is as follows.

$$\frac{193 \text{ points}}{74 \text{ games}} \approx 2.6 \text{ points/game}$$

Calculate???



HOMEWORK: [Worksheet - Proportional Reasoning.pdf](#)
Do #1 - 8.

[1.1 Build Your Skills Detailed Solutions.pdf](#)

Attachments

1.1 Build Your Skills Detailed Solutions.pdf

Worksheet - Proportional Reasoning.pdf