

Key

24 cups of purple paint is mixed in a ratio of 1 part red for every 3 parts blue. Fill in the blanks to label the tape diagram with correct quantities of paint.

Red

 A

Blue

 B C D

24 cups of purple paint

Maya is making a snack mix for an upcoming field trip. Here is the recipe:

12 cup dried cranberries $\times 3$
1 teaspoon salt
4 cups almonds $\times 3$
3 cups yogurt pretzels
1 cup raisins
2 cup cashews

Maya decides to make a triple batch of the recipe. How much of each ingredient is needed to make this ratio statement true.

To triple the recipe, Maya needs 12 cups of almonds, 36 cups of cranberries and 3 cups of raisins.

There is a sale on DVDs. The original price was \$16.00. The DVDs now cost \$12.00.

What is the ratio of the quantity saved to the original price?

☐ 1 to 3

☐ 4

☒ 1:4

☐ 3 to 4

☐ 12:16

$$\frac{4}{16}$$

Maya is mixing cups of pretzels and cups of cashews in a ratio of 3:2. She made a table of equivalent ratios to represent the situation. Fill in the blanks to complete the table. If the quantity is not a whole number, enter a decimal.

Pretzels (cups) Cashews (cups)

$\times 6$	3	2
	18	<input type="text" value="12"/> A
	<input type="text" value="1.5"/> B	1
$\times 30$	90	<input type="text" value="60"/> C

A recipe for Tropical Punch uses coconut water and two kinds of fruit juice. Here is a recipe for 12 cups of Tropical Punch:

3 cups pineapple juice
1 cup orange juice
8 cups coconut water

Which statements are true? Select all that apply.

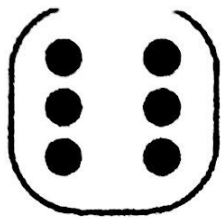
☐ There is 4 times more coconut water than orange juice.

☒ $\frac{1}{3}$ of the punch is fruit juice.

☒ The recipe calls for twice as much coconut water as fruit juice.

☒ There is 3 times more pineapple juice than orange juice.

☒ $\frac{1}{2}$ of the punch is coconut water.



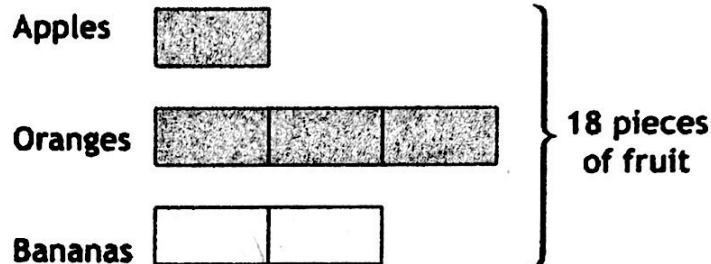
The table represents the nutrition facts for a brand of trail mix. The table shows ratio comparisons between grams of serving size and grams of fat and protein. Complete the table to show the nutrition facts for various serving sizes.

Serving size (grams)	30	<u>60</u> ^A	120
Fat (grams)	10	20	<u>40</u> ^C
Protein (grams)	<u>5</u> ^B	10	<u>20</u> ^D

Handwritten notes: An arrow from 30 to 60 is labeled 'x 2'. An arrow from 10 to 40 is labeled 'x 4'. An arrow from 5 to 20 is labeled 'x 4'.

Jon has 3 apples, 9 oranges and 6 bananas in a bag. Fill in the blanks to complete the statements.


BONUS



The ratio of apples to oranges is  1:3

The number of oranges is 3  times the number of apples.

The number of apples is 1/2  times the number of bananas.

There are  times as many bananas as oranges. 2/3