Ratio Tables

Ratios & Rates

Name: _____ Date: _____ Grade 6

1. Jess makes a smoothie with $\frac{3}{4}$ cup of yogurt and $2\frac{1}{4}$ cups of fruit. The table shows equivalent ratios.

Yogurt (cups)	Fruit (cups)
$\frac{3}{4}$	$2\frac{1}{4}$
1	3
$1\frac{1}{2}$	$4\frac{1}{2}$
2	6

Select all the true statements about the ratio of yogurt to fruit.

- ☐ **A.** For every 3 cups of fruit, there is 1 cup of yogurt.
- ☐ **B.** For every 1 cup of fruit, there are 3 cups of yogurt.
- ☐ **C.** For every $1\frac{1}{2}$ cups of yogurt, there are $4\frac{1}{2}$ cups of fruit.
- ☐ **D.** For every 2 cups of yogurt, there are 6 cups of fruit.
- ☐ **E.** For every $2\frac{1}{4}$ cups of yogurt, there is $\frac{3}{4}$ cup of fruit.

2. A shade of green paint is made by mixing 4 parts blue paint with 6 parts yellow paint. Complete the table to show different amounts of the same shade.

Blue Paint (parts)	Yellow Paint (parts)
4	6
2	
	9
1	
	15

3. **A biscuit recipe uses $2\frac{1}{2}$ cups of flour for every $1\frac{1}{2}$ cups of milk. Use a table if it helps with your thinking.**

a Milk for 2 batches? _____

b Flour for 2 batches? _____

c Milk for 4 batches? _____

d Flour for 5 batches? _____

4. **A cyclist rides at a constant speed. The table shows the distance she rides in 1, 2, and 3 hours. How far does she ride in 7 hours? Show or explain your thinking.**

Time (hours)	Distance (miles)
1	14
2	28
3	42

5. **Complete the table with three ratios that are equivalent to 18 : 12.**

x	y
18	12

6. **A batch of granola uses $\frac{2}{3}$ cup of oats and 2 cups of yogurt. Jen says that if she makes 4 batches, she will need $4\frac{2}{3}$ cups of oats and 8 cups of yogurt. Is Jen correct? Show or explain your thinking.**

7. **A rice recipe uses 2 cups of dry rice to make 5 servings. Complete the ratio table. Then explain how you found the number of servings for 1 cup of rice.**

Rice (cups)	Servings
2	5
4	
6	
1	
	25