

Check Up for use after Investigation 1

1. Leona is mixing paint in art class. Leona uses 3 parts blue paint with 12 parts yellow paint to make a green color.

Can each of the following represent a ratio to describe what Leona is doing?

<p>a. 60 to 12</p> <p>If yes, explain what the expression represents with the paint mix.</p>	<p>YES NO</p>
<p>b. $2 : 2\frac{1}{2}$</p> <p>If yes, explain what the expression represents with the paint mix.</p>	<p>YES NO</p>
<p>c. $\frac{1}{4}$</p> <p>If yes, explain what the expression represents with the paint mix.</p>	<p>YES NO</p>
<p>d. 5 for every 14</p> <p>If yes, explain what the expression represents with the paint mix.</p>	<p>YES NO</p>

- e. Leona wants to make one cup of the green paint. How much blue paint and how much green paint will she need?

Comparing and Scaling

Check Up (continued)

2. Mia's class was given this question to solve.

The ratio of 7th grade to 8th grade students is 4 to 5.
 If there are 270 total students, how many are in each class?

a. Mia's solution is below. Is she correct? Explain.

Mia's Solution

9 rectangles = 270 students
 1 rectangle = 30 students

There are 4 x 30 7th grade students or 120
 There are 5 x 30 8th grade students or 150 students

b. Describe another strategy for solving this question.