

Ratio Tables and Unit Rates



Use the matching sheet ID when checking answers.

Use the material to work through each task. Show the requested response.

1. How much water is needed for 8 cups of concentrate?

Answer: 20 cups

2. A cyclist travels 36 km in 3 hours at a constant speed. Find km per hour.

Answer: 12 km per hour

3. How much concentrate is needed for 25 cups of water?

Answer: 10 cups

4. Five notebooks cost \$15 in an invented shop. What is the cost per notebook?

Answer: \$3

5. At 12 km per hour, how far is traveled in 2.5 hours?

Answer: 30 km

6. Why does adding 2 to both numbers in 2:5 fail to preserve the ratio?

Look for:

- Distinguishes additive change from proportional scaling.

One possible response: 4:7 differs from 2:5. Equivalent ratios multiply both quantities by the same factor.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.