

Cumulative Recalculation Review - Part 3

Ratios and Rates

Name: _____ Grade: _____ Date: _____

ROAD TEST. Do not reteach everything from a single miss. Look for a cluster: representation, relationship, operation, units/base, or checking. Then route back precisely.

1. A group has red:blue = 3:5. Write the part-to-part ratio and both part-to-whole fractions.

2. Complete the ratio table $3:5 = 6:10 = 12:\underline{\quad}$. State the scale factor for each step.

3. Decide whether 8:12 and 14:21 are equivalent using two methods.

4. A car travels 210 km in 3 hours. Find the unit rate and use it to predict the distance in 5.5 hours.

5. Store A sells 6 items for \$15; Store B sells 10 items for \$24. Compare unit prices and state the better mathematical value.

6. Explain why a lower total price is not enough evidence for a best-buy decision.

7. Error repair: A student reports 3 hours divided by 210 km as the speed. Use units to correct the division direction.

8. Reflection: When is a ratio table more informative than a single unit-rate calculation?

Recalculation decision: Which earlier chapter or representation would you revisit first if two or more answers reveal the same gap? Write the chapter/idea and one reason.
