

Revision Layer: Cumulative Connection

Name: _____ **Grade:** _____ **Date:** _____

Use these short retrieval items near the end of the chapter or at the start of the next lesson. Mix current learning with earlier ideas. Show a representation when it helps, keep units visible, and explain one answer to a partner.

1. Convert $\frac{3}{5}$ to a decimal and a percent. Name the whole that makes the percent meaningful.

2. Explain why 0.6 is 60%, not 6%, using place value or an out-of-100 model.

3. Find 30% of 60 and check the answer with a benchmark or fraction.

4. Estimate 48% of 80 using 50% as a benchmark, then explain whether the exact answer should be slightly above or below your estimate.

Revision Layer: Strategy Studio

These tasks deliberately vary the numbers, representation, unknown, or context. Do not choose a method from the chapter title alone.

1. Represent 35% in four connected ways: a hundred-grid description, a fraction, a decimal, and a point on a percent bar.

2. Compare 0.35, 35%, and $\frac{3}{8}$. Put them in order and explain which representation made the comparison easiest.

3. Create one context where 120% is meaningful and one where 12% is meaningful. State the reference whole in each.

4. A student says, “80% of any number is 80.” Diagnose the misconception and repair it with two different wholes.

Transfer Bridge: Familiar, Altered, Non-Routine, and Repair

Use this section after the worked examples and before the exit ticket. The method is deliberately not named in every task. First identify the relationship or action, then represent, solve, and check.

A. Familiar structure

Show 35% as a hundred-grid description, a fraction, and a decimal.

B. Altered structure

Six of 18 students are absent. Identify the whole and find the absence percent.

C. Non-routine structure

A student says 125% is impossible. Give a context in which 125% is meaningful and state the reference whole.

D. Repair and compare

A student treats “18 out of 20” as 18%. Explain which number is the whole and calculate the correct percent.
