

Revision Layer: Cumulative Connection

Name: _____ **Class:** _____ **Date:** _____

Use these short retrieval items before beginning the new work. Show a representation when it helps, keep units visible, and explain one answer to a partner.

1. Convert to a decimal and a percent.

2. Order 0.4, , and 42% from least to greatest.

3. Explain why 0.6 is 60%, not 6%.

4. Choose the most useful form for describing of a class.

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. Convert 0.375 into a simplified fraction and a percent. Show a place-value or benchmark check.

2. A quantity is written as 0.4, , and 40%. Explain why these labels can describe the same value.

3. Which form is most efficient in each situation: a sale sign, a recipe, a data table, or a probability statement? Defend each choice.

4. Create three equivalent labels for a value between 1 and 2. Explain how the meaning of the whole changes when the form changes.

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

Convert $\frac{1}{2}$ into a decimal and a percent. Explain how you know the value is unchanged.

B. Altered structure

Rewrite 0.6 in fraction and percent form. Then choose the most useful form for a sale sign, a recipe, and a probability statement.

C. Non-routine structure

A quantity is written as 0.375, $\frac{3}{8}$, and 37.5%. Explain why the three labels agree and describe a context in which each form communicates best.

D. Repair and compare

A student says, "0.4 is 4% because the decimal has a 4." Use place value and the meaning of percent to repair the error.
