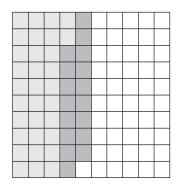
## Modeling Addition and Subtraction of Decimals

## Adding decimals using a hundredths grid:

Add 0.32 + 0.17.



Step 1: Shade 32 squares to show 0.32.

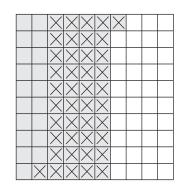
**Step 2:** Use a different color. Shade 17 squares to show 0.17.

**Step 3:** Count all the squares that are shaded. How many hundredths are shaded in all? Write the decimal for the total shaded squares: 0.49.

So, 0.32 + 0.17 = 0.49.

## Subtracting decimals using a hundredths grid:

Subtract 0.61 - 0.42.



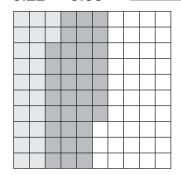
**Step 1:** Shade 61 squares to show 0.61.

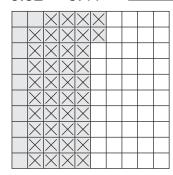
Step 2: Cross out 42 squares to show 0.42.

**Step 3:** Count the squares that are shaded but not crossed out. Write the decimal: 0.19.

So, 
$$0.61 - 0.42 = 0.19$$
.

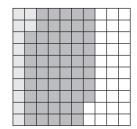
Add or subtract. You may use hundredths grids to help.

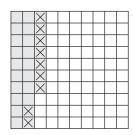




## Modeling Addition and Subtraction of Decimals

Add or subtract. Use hundredths grids if necessary.





- **9.** Is the difference of 1.45 0.12 less than or greater than 1?
- **10.** A bottle of nail polish holds 0.8 ounce. A bottle of perfume holds 0.45 ounce. How many more ounces does a bottle of nail polish hold?
- **11.** Add: 1.18 + 1.86
  - **A** 2.04
- **B** 2.94
- **C** 3.04
- **D** 3.14
- **12. Writing to Explain** Explain how to use hundredths grids to subtract 1.65 0.98.