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## 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 .

## 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, $0.61-0.42=0.19$.

So, $0.32+0.17=0.49$.

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

1. $0.22+0.35=$

2. $0.52-0.41=$

|  | $X X X X X$ |  |  |
| :--- | :--- | :--- | :--- |

# Modeling Addition and Subtraction of Decimals 

Add or subtract. Use hundredths grids if necessary.

1. $0.12+0.56=$

$\qquad$
2. $0.27-0.09=$ $\qquad$

| $x x$ |  |  |
| :--- | :--- | :--- |
| $x$ |  |  |
| $x$ |  |  |
| $x$ |  |  |
| $x$ |  |  |
| $x$ |  |  |
| $x$ |  |  |

3. $0.86+0.54=$ $\qquad$ 4. $1.27+0.75=$ $\qquad$
4. $0.93-0.25=$ $\qquad$ 6. $1.07-0.61=$ $\qquad$
5. $1.13-1.02=$ $\qquad$
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6. Is the difference of $1.45-0.12$ less than or greater than 1 ?
7. 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?
8. Add: $1.18+1.86$
A 2.04
B 2.94
C 3.04
D 3.14
9. Writing to Explain Explain how to use hundredths grids to subtract $1.65-0.98$.
