

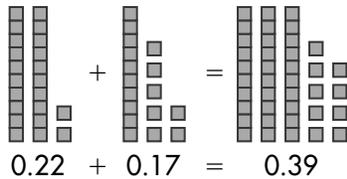


## Additional Practice 2-3

### Use Models to Add and Subtract Decimals

### Another Look!

Find  $0.22 + 0.17$ .



#### Step 1

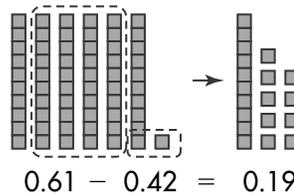
Show 0.22 and 0.17 with place-value blocks.

#### Step 2

Combine the blocks.  
Regroup if possible.

So,  $0.22 + 0.17 = 0.39$ .

Find  $0.61 - 0.42$ .



#### Step 1

Show 0.61 with place-value blocks.

#### Step 2

Regroup if necessary. Remove 0.42.

So,  $0.61 - 0.42 = 0.19$ .

Count all the tenths and hundredths blocks to find the sum and circle and remove blocks to find the difference.



In **1–8**, use place-value blocks to add or subtract.

1.  $0.27 + 0.19 = \underline{0.46}$

2.  $0.39 - 0.14 = \underline{0.25}$

3.  $0.68 - 0.24 = \underline{0.44}$

4.  $0.88 + 0.25 = \underline{1.13}$

5.  $2.88 - 0.59 = \underline{2.29}$

6.  $1.24 + 0.44 = \underline{1.68}$

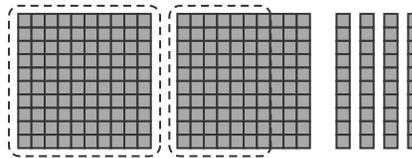
7.  $0.96 + 1.05 = \underline{2.01}$

8.  $0.52 - 0.19 = \underline{0.33}$



9. Write the number sentence that is shown by the place-value blocks to the right.

**2.4 – 1.7 = 0.7**



10. **Construct Arguments** Is the difference of  $1.48 - 0.25$  less than or greater than one? Explain.

**Greater than one; Sample explanation: Subtracting 0.25 would leave some longs and small squares when using place-value blocks.**

11. **Higher Order Thinking** A bottle of perfume holds 0.55 fluid ounce. A bottle of cologne holds 0.2 fluid ounce. How many more fluid ounces does the bottle of perfume hold?

**0.35 fluid ounce**

12. As part of his workout, Jamal does 2 sets of 25 push-ups. If he does this 10 times each month, how many push-ups does he do each month? Write an equation to show your work.

**500 push-ups;  $2 \times 25 \times 10 = 500$**

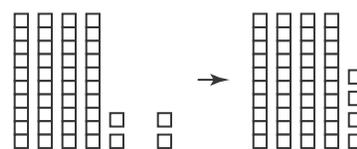
13. The smallest video camera in the world is 0.99 millimeter in diameter. Is the diameter of the video camera less than or great than 0.1 millimeter?

**Greater than 0.1 millimeter**

14. A restaurant bought 48.5 pounds of apples from a local orchard. The next month, the restaurant bought another 65.3 pounds of apples and 24.5 pounds of pears. How many pounds of fruit did the restaurant buy?

**138.3 pounds**

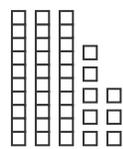
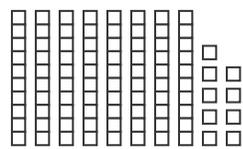
15. Write an expression that is represented by the model below.



**$0.42 + 0.02$**

**Assessment Practice**

16. Each set of place-value blocks below represents a decimal.



**Part A**

What is the sum of the decimals?

**1.27**

**Part B**

Explain how you found your answer.

**Sample answer: The first set of blocks is 0.89. The second set of blocks is 0.38. When the blocks are combined, there would be 1 flat, 2 longs, and 7 small squares. The sum is 1.27.**