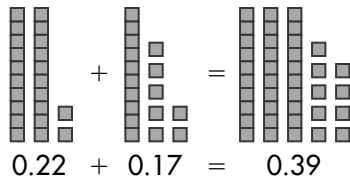


Additional Practice 2-3

Use Models to Add and Subtract Decimals

Another Look!

Find $0.22 + 0.17$.



Step 1

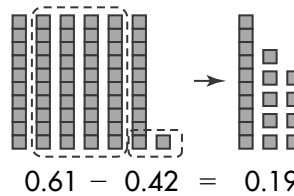
Show 0.22 and 0.17 with place-value blocks.

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

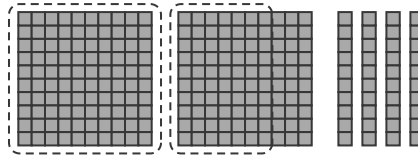
7. $0.96 + 1.05 = \underline{2.01}$

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; $2 \times 25 \times 10 = 500$

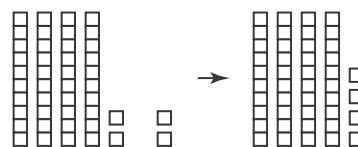
13. The smallest video camera in the world is 0.99 millimeter in diameter. Is the diameter of the video camera less than or great than 0.1 millimeter?

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.

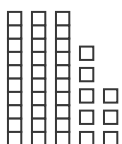
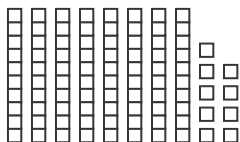


$0.42 + 0.02$



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.