

# MY Homework

## Lesson 7

### Addition Properties

## Homework Helper



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Mackenzie practices violin four days a week. One week, she practiced for 21, 39, 45, and 25 minutes. Use mental math to find the total amount of time she practiced.

You can easily add 21 and 39. You can easily add 45 and 25. So, group those numbers together.

$$\begin{aligned} 21 + 39 + 45 + 25 &= (21 + 39) + (45 + 25) && \text{Associative Property} \\ &= 60 + 70 && \text{Add. } 21 + 39 = 60 \text{ and } 45 + 25 = 70 \\ &= 130 && \text{Add. } 60 + 70 = 130 \end{aligned}$$

So, Mackenzie practiced violin for 130 minutes.

## Practice

Use properties of addition to find each sum mentally. Show your steps and identify the properties that you used.

1.  $9 + 6 + 31 =$  \_\_\_\_\_

2.  $12.5 + 0 + 1 + 43.5 =$  \_\_\_\_\_



## Problem Solving

3. Sasha spent \$1.05 on a soda, \$5.25 on a sandwich, \$0.75 on a piece of fruit, and \$4.95 on a magazine. Use mental math to find the total amount she spent.

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4. Jessie went to the mall and bought a CD for \$12.98, a skirt for \$17.50, a T shirt for \$8.50, and a bottle of water for \$1.02. Use mental math to find the total amount she spent.


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5. Gary played soccer for 1 hour and tennis for 2 hours. Tanya played tennis for 2 hours and soccer for 1 hour. Who played sports longer? Explain.

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6. **Mathematical PRACTICE**  **Use Math Tools** Without calculating, would  $0.4 + (2 + 0.6)$  be less than, greater than, or equal to 3? Explain.

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## Test Practice

7. Paula was reading a novel. She read 13 pages on Sunday, 12 pages on Tuesday, 17 pages on Friday, and 8 pages on Saturday. Use mental math to find the total number of pages she read.

- (A) 40 pages                      (C) 50 pages  
(B) 42 pages                      (D) 60 pages