

Name \_\_\_\_\_

**Problem Solving • Decimal Operations**



**COMMON CORE STANDARD—5.NBT.B.7**  
Perform operations with multi-digit whole numbers and with decimals to hundredths.

1. Lily spent \$30.00 on a T-shirt, a sandwich, and 2 books. The T-shirt cost \$8.95, and the sandwich cost \$7.25. The books each cost the same amount. How much did each book cost?

$$(2 \times \text{cost of each book}) + \$8.95 + \$7.25 = \$30.00$$

$$\$30.00 - \$8.95 - \$7.25 = (2 \times \text{cost of each book})$$

$$(2 \times \text{cost of each book}) = \$13.80$$

$$\$13.80 \div 2 = \$6.90$$

\$6.90

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2. Meryl spends a total of \$68.82 for 2 pairs of sneakers with the same cost. The sales tax is \$5.32. Meryl also uses a coupon for \$3.00 off her purchase. How much does each pair of sneakers cost?

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3. A 6-pack of undershirts costs \$13.98. This is \$3.96 less than the cost of buying 6 individual shirts. If each undershirt costs the same amount, how much does each undershirt cost when purchased individually?

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4. **WRITE** *Math* Write a problem that can be solved using a flowchart and working backward. Then draw the flowchart and solve the problem.

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## Lesson Check (5.NBT.B.7)

1. Joe spends \$8 on lunch and \$6.50 on dry cleaning. He also buys 2 shirts that each cost the same amount. Joe spends a total of \$52. What is the cost of each shirt?  

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2. Tina uses a \$50 gift certificate to buy a pair of pajamas for \$17.97, a necklace for \$25.49, and 3 pairs of socks that each cost the same amount. Tina has to pay \$0.33 because the gift certificate does not cover the total cost of all the items. How much does each pair of socks cost?  

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## Spiral Review (5.NBT.A.2, 5.NBT.A.3b, 5.NBT.B.7)

3. List the following numbers in order from least to greatest.  

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4. Stephen wrote the problem  $46.8 \div 0.5$ . What is the correct quotient?  

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2.31, 2.13, 0.123, 3.12

5. Sarah, Juan, and Larry are on the track team. Last week, Sarah ran 8.25 miles, Juan ran 11.8 miles, and Larry ran 9.3 miles. How many miles did they run altogether?  

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6. On a fishing trip, Lucy and Ed caught one fish each. Ed's fish weighed 6.45 pounds. Lucy's fish weighed 1.6 times as much as Ed's fish. How much did Lucy's fish weigh?  

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