

Decimal Operations with Real Money

Name: _____ Date: _____

LEARNING OBJECTIVE

Students will add, subtract, and multiply decimals using realistic shopping prices.

MATERIALS NEEDED

- a grocery store ad, receipt, or online store prices (printed or copied by hand)
- play money or paper cutouts of bills (optional)
- notebook paper
- pen or pencil
- calculator (for checking only)

HANDS-ON ACTIVITY

1. Collect 5 real prices from a store ad, receipt, or app (e.g., \$2.49, \$4.99, \$0.79, \$6.25, \$1.10) and write them on paper.
2. Pretend you have a \$15.00 budget (use play money if available to count it out). Add up any combination of 3 items and see if it stays under budget, showing your addition work.
3. Subtract your total from \$15.00 to find your change, showing your subtraction work.
4. Pick one item and calculate the cost of buying 4 of it (multiply the decimal price by 4), then check your answer with a calculator.

QUESTIONS

1. List the 3 items you chose and their total cost.
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2. How much change would you have from \$15.00? Show your subtraction.
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3. If one item costs \$2.49, what would 4 of that item cost? Show your multiplication.
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4. When multiplying decimals, how do you know where to place the decimal point in the answer?

