

## LESSON

## 1-5

**Problem Solving****Order of Operations**

Write the correct answer.

1. In 1975, the minimum wage was \$2.10 per hour. Write and simplify an expression to show wages earned in a 35-hour week after a \$12 tax deduction.  
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2. George bought 3 boxes of Girl Scout cookies at \$3.50 per box and 4 boxes at \$3.00 per box. Write and simplify an expression to show his total cost.  
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3. In 1 week Ed works 4 days, 3 hours a day, for \$12 per hour, and 2 days, 6 hours a day, for \$15 per hour. Simplify the expression  $12(4 \cdot 3) + 15(2 \cdot 6)$  to find Ed's weekly earnings.  
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4. Keisha had \$150. She bought jeans for \$27, a sweater for \$32, 3 blouses for \$16 each, and 2 pairs of socks for \$6 each. Simplify the expression  $150 - [27 + 32 + (3 \cdot 16) + (2 \cdot 6)]$  to find out how much money she has left.  
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Choose the letter for the best answer.

5. As of September 1, 1997, the minimum wage was set at \$5.15 per hour. How much more would someone earn now than in 1997 if she earns \$5 more per hour for a 40-hour week?  
A \$206 more  
B \$200 more  
C \$406 more  
D \$400 more
6. Gary received \$200 in birthday gifts. He bought 5 CDs for \$15 each, 2 posters for \$12 each, and a \$70 jacket. How much money does he have left?  
F \$31  
G \$10  
H \$132  
J \$169
7. Yvonne took her younger brother and his friends to the movies. She bought 5 tickets for \$8 each, 4 drinks for \$2 each, and two \$3 containers of popcorn. How much did she spend?  
A \$22  
B \$51  
C \$54  
D \$38
8. On a business trip, Mr. Chang stayed in a hotel for 7 nights. He paid \$149 per night. While he was there, he made 8 phone calls at \$2 each and charged \$81 to room service. How much did he spend?  
F \$246  
G \$946  
H \$1,043  
J \$1,140