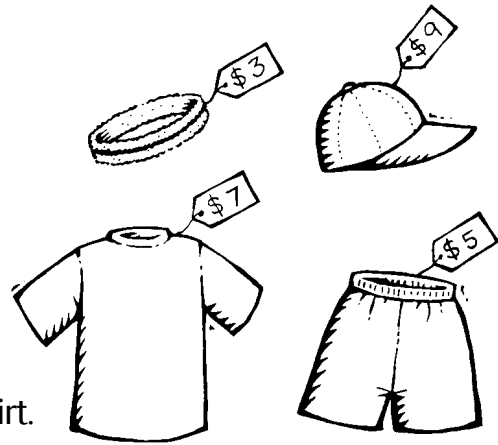Name _____

Problem-Solving Skill
Interpreting Remainders

Andrea has $62 to spend on gym clothes.
She wants to buy as many T-shirts as possible.

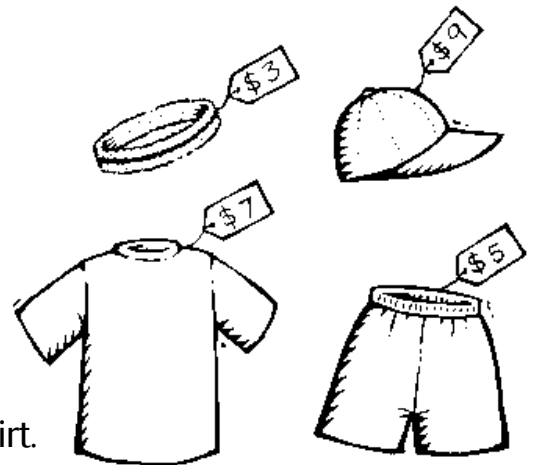**1.** Which of the following statements is true?

    a. T-shirts cost more than caps.

    b. Andrea cannot afford to buy shorts.

    c. Andrea can afford to buy more than one T-shirt.

2. Which sentence could you use to find out how many
T-shirts Andrea can afford?

    a. $62 \div 7 = \square$ **b.** $62 \div 5 = \square$ **c.** $7 \times 9 = \square$

3. How many T-shirts can Andrea afford to buy?

    a. 7 T-shirts   **b.** 8 T-shirts   **c.** 15 T-shirts

4. What could Andrea afford to buy with the money left over after
buying the T-shirts?

    a. One cap   **b.** Two sweatbands   **c.** One pair of shorts
                                                  and one sweatband

5. Andrea changes her mind and decides to buy as many shorts as
she can afford and use the remaining money to buy other gym clothes.
Which number sentence shows how many shorts she can afford?

    a. $62 \div 7 = 8 \text{ R}6$ **b.** $62 \div 5 = 12 \text{ R}2$ **c.** $62 \div 9 = 6 \text{ R}8$

6. What other clothes can Andrea afford after buying the shorts? _____

7. **Math Reasoning** If Andrea buys complete sets of gym clothes, how
many sets can she afford, and what can she buy with the remainder?

_____

_____

_____

Answer Key

Problem-Solving Skill

Interpreting Remainders

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She wants to buy as many T-shirts as possible.

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   a. 7 T-shirts   **(b.)** 8 T-shirts   **c.** 15 T-shirts

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5. Andrea changes her mind and decides to buy as many shorts as she can afford and use the remaining money to buy other gym clothes. Which number sentence shows how many shorts she can afford?

   a. $62 \div 7 = 8 \text{ R6}$ **(b.)** $62 \div 5 = 12 \text{ R2}$ **c.** $62 \div 9 = 6 \text{ R8}$

6. What other clothes can Andrea afford after buying the shorts? **None**

7. **Math Reasoning** If Andrea buys complete sets of gym clothes, how many sets can she afford, and what can she buy with the remainder?

2 complete sets; possible answers: Remainder will buy 2 T-shirts or 1 cap and 1 pair of gym shorts.