

Name _____

1-2A Lesson Master**Questions on SPUR Objectives**

See pages 60–63 for objectives.

SKILLS Objective B

In 1–3, evaluate each expression.

1. $2(3 + 8) \div 3$

2. $2(4 + 8) \div 3$

3. $2(5 + 8) \div 3$

4. Write another instance of the pattern shown by Questions 1–3.

In 5 and 6, give two instances of each pattern.

5. $4x^3 = 4 \cdot x \cdot x \cdot x$

6. $7(x + 3) = 7 \cdot x + 21$

7. Three instances of a pattern are given. Describe the pattern using one variable.

$3 \cdot 1 - 7 = 3(1 - 4) + 5$

$3 \cdot 11 - 7 = 3(11 - 4) + 5$

$3 \cdot \frac{1}{4} - 7 = 3\left(\frac{1}{4} - 4\right) + 5$

PROPERTIES Objective G8. Use the Commutative Property of Multiplication to find another expression that gives the same value as $6a \cdot b$.

USES Objective H

Jana designs and sells T-shirts online. She works through a company that pays her a base of \$50 every month for her designs, plus a 20% profit for every T-shirt that is sold. Each shirt costs \$20.

9. Write an expression that calculates Jana's monthly earnings if she sells s T-shirts.

10. How much does Jana make in a month when she sells 30 T-shirts?
