

## Expressions and Relationships Assessment

Name \_\_\_\_\_

1. Evaluate the expression.

$$(12 + 3) \times 4$$

- (A) 19
- (B) 24
- (C) 40
- (D) 60

2. Evaluate the expression.

$$64 \div (8 - 4)$$

- (A) 60
- (B) 16
- (C) 4
- (D) 2

3. Evaluate the expression.

$$(24 + 12) \div 3 - 2$$

- (A) 36
- (B) 26
- (C) 10
- (D) 9

4. Choose the number expression that best represents the given word expression.

*Add 10 and 8, then divide by 3.*

- (A)  $10 + 8 \div 3$
- (B)  $(10 + 8) \div 3$
- (C)  $3 \div (10 + 8)$
- (D)  $3 \div 10 + 8$

5. Fifteen red cups and 5 blue cups are each filled with 8 ounces of juice. Choose the expression that best represents the total amount of juice in ounces.

- (A)  $8 \times (15 + 5)$
- (B)  $8 \times 15 + 5$
- (C)  $15 + (5 \times 8)$
- (D)  $15 + 5 \times 8$

6. Compare the two expressions and their values. Describe and explain your comparisons.

I.  $5 \times (337 + 24 \div 3)$

II.  $337 + 24 \div 3$

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7. Lars will save \$2 each week for 7 weeks. Kei will save \$3 each week for 7 weeks. Write each boy's total savings as a sequence for weeks 1–7. Compare the two number patterns. Describe your comparison.

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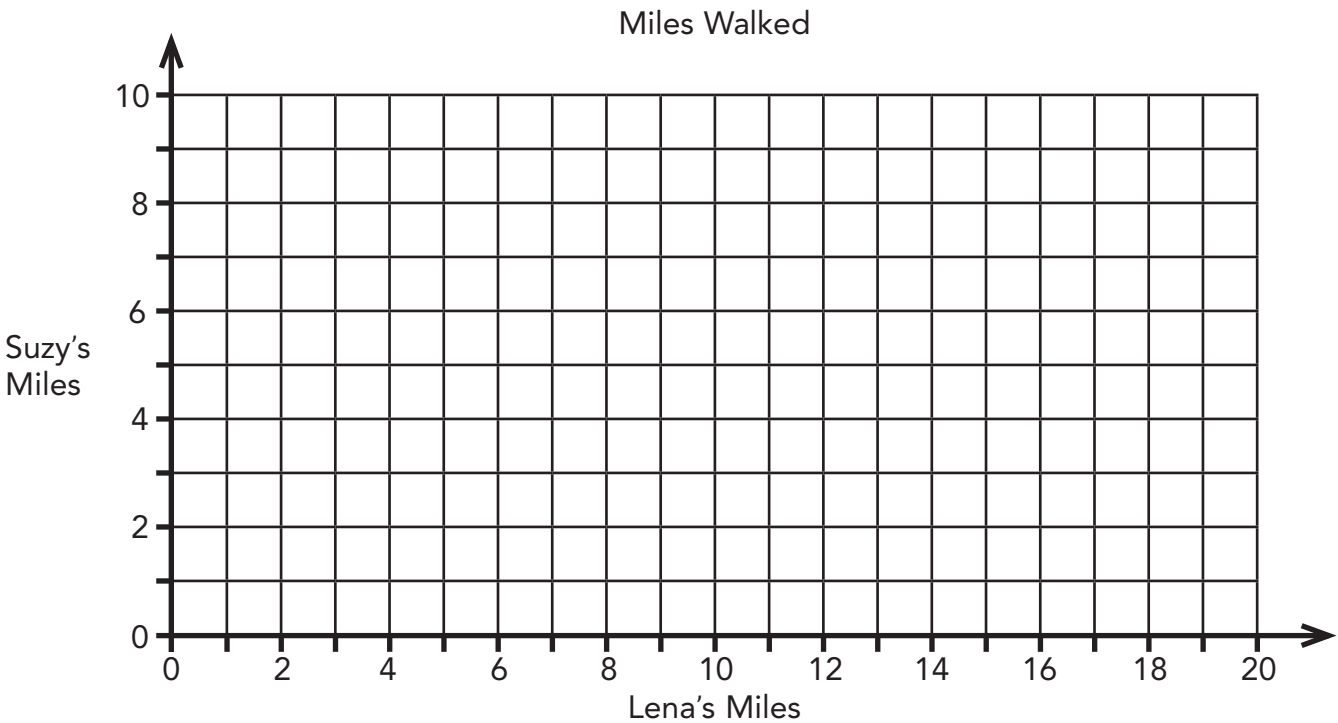
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8. For 5 weeks in a row, Lena walked 4 miles each week and Suzy walked 1 mile each week.

Write each girl's total miles as a sequence for weeks 1–5. Compare the number patterns by graphing ordered pairs. Describe your graph.



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