

## CHAPTER 1 | PRACTICE TEST

Numerical Expressions and Factors | Matches Form A

Name \_\_\_\_\_

Date \_\_\_\_\_

Show organized work. Simplify fractions. Explain when asked.

**Score:** \_\_\_\_\_ / **50**

1. Find the value and estimate to check:  $7,456 + 2,389$  (2 pts)

2. Find the value and estimate to check:  $8,214 - 3,768$  (2 pts)

3. Find the value and estimate to check:  $3,276 \div 78$  (2 pts)

4. Find the value and estimate to check:  $67 \times 34$  (2 pts)

5. Name the operation; do not solve. A customer pays \$75 for a jacket that costs \$42. How much change should the customer receive? (2 pts)

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6. Evaluate  $8^3$ . (2 pts)

7. Is this a perfect square? If yes, name its positive square root: 121 (2 pts)

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**CHAPTER 1 | PRACTICE TEST | CONTINUED**

Numerical Expressions and Factors | Matches Form A

8.  $7(9 - 4) - 4^2$  (2 pts)

9.  $2^5 + 3(11 - 7)$  (2 pts)

10. List the factor pairs of 44. (2 pts)

11. Write the prime factorization of 126. (3 pts)

12. GCF(28, 44) (2 pts)

13. GCF(18, 42, 66) (2 pts)

14. LCM(5, 12, 18) (2 pts)

**CHAPTER 1 | PRACTICE TEST | CONTINUED**

Numerical Expressions and Factors | Matches Form A

**15.** State the LCD, then evaluate  $\frac{3}{4} - \frac{2}{9}$ . (2 pts)

**16.** State the LCD, then evaluate  $6\frac{1}{5} + 3\frac{3}{8}$ . (3 pts)

**17.** A pet-care company charges \$432 for 8 hours of work. What is the hourly charge? (4 pts)

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**18.** A league gives 4 points for a win, 2 points for a tie, and 0 points for a loss. A team has 11 wins, 6 ties, and 4 losses. How many points does it have? (4 pts)

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**19.** A teacher has 30 red markers and 45 blue markers. What is the greatest number of identical supply sets the teacher can make using every marker? (4 pts)

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**20.** One shuttle arrives every 9 minutes and another arrives every 12 minutes. Both arrive now. In how many minutes will they arrive together again? (4 pts)

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