

Name \_\_\_\_\_

Date \_\_\_\_\_ Per \_\_\_\_\_

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**Lesson Standards: M8.A.2.1.1, M8.A.3.3.1**

Sponge Problems

1. What number represents  $6.8 \times 10^{-3}$  written in standard notation? (M8.A.1.1.1)  
A. 0.0068    B. 0.068    C. 6,800    D. 68,000
2. What number represents 0.0000314 written in scientific notation? (M8.A.1.1.1)  
A.  $3.14 \times 10^{-5}$     B.  $3.14 \times 10^{-4}$     C.  $3.14 \times 10^5$     D.  $314 \times 10$

Section Problems

Evaluate each expression.

3.  $3(6 + 7)$

4.  $5 \times 3 \times 2$

5.  $72 \div 9 + 7$

6.  $2 + 7 \times 5$

7.  $9 + 8 - 7$

8.  $9 - 32 \div 4$

9.  $5(10 - 1)$

10.  $48 \div (4 + 4)$

11.  $20 \div (4 - (10 - 8))$

12.  $40 \div 4 - (5 - 3)$

13.  $9 + 9 + 6 - 5$

14.  $(5 + 16) \div 7 - 2$

15.  $7 + 10 \times 5 + 10$

16.  $(6 + 25 - 7) \div 6$

17.  $(6 - 4) \times 49 \div 7$

$$\frac{3-1}{+2} \div 10$$

$$20. (8+5) * \frac{35}{5} + 6$$

$$21. \frac{27}{2+3+4} + 3$$

$$22. \frac{45}{8(5-4)-3}$$

$$23. 8 * \frac{15}{5} - (5+9)$$

$$24. 2 * 7 - \frac{10}{9-4}$$

$$25. (10 + 2 - 2) \times 6 - 1$$

$$26. \frac{49}{7} \times \frac{60}{2 * 5}$$

$$27. (2 + 6 \times 2 + 2 - 4) \times 2$$

$$28. \frac{8}{5-1} \times (3+6) * 3$$

$$29. 10 \div 5 * 2 + 6$$

$$30. 21 + 16 \times 7 - 6 \div 2$$