

Name \_\_\_\_\_

1. A musical is playing at a theater that has 628 seats. How many tickets are available for 33 shows? **1 point**

- (A) 20,000
- (B) 20,724
- (C) 20,100
- (D) 18,000

2. A furniture manufacturer shipped 26 cartons to a store. Each carton weighed 235 pounds. What was the total weight of the cartons? **1 point**

**6,110 pounds**

3. The West Rock School District ordered 118 cartons of math books. The books were shipped in cartons that each held 36 books.

- A. Estimate the total number of math books in the shipment. Write an equation to model your work. **2 points**

**Sample answer: 4,800;  
 $40 \times 120 = 4,800$**

- B. Did you calculate an overestimate or an underestimate? Explain how you know. **2 points**

**Sample answer:  
Overestimate;  $40 > 36$   
and  $120 > 118$ , so  
 $40 \times 120 > 36 \times 118$ .**

4. Is the equation below correct? Explain.

$7.9 \times 10^4 = 7,900$  **1 point**

- (A) The equation is incorrect. The product should have 3 zeros.
- (B) The equation is correct. The decimal moved two places to the right.
- (C) The equation is incorrect. The product should have 0 zeros.
- (D) The equation is incorrect. The product should have 2 zeros.

5. Memory cards for a popular brand of digital camera sell for \$16 each. The table shows the sales of these memory cards by an electronics store.

| Day      | Memory Cards Sold |
|----------|-------------------|
| Saturday | 132               |
| Sunday   | 105               |
| Monday   | 62                |
| Tuesday  | 51                |

- A. What was the dollar amount of sales of the memory cards on Saturday? Write an equation to model your work. **2 points**

**\$2,112;  
 $132 \times 16 = 2,112$**

- B. What was the dollar amount of sales of the memory cards on Sunday? Write an equation to model your work. **2 points**

**\$1,680;  
 $105 \times 16 = 1,680$**

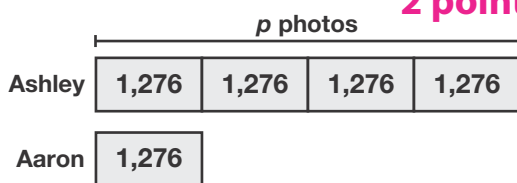
6. Ms. Gomez flies 876 miles round trip to visit her parents. What is the total distance in miles that she would fly for 12 visits to her parents' house? Below is her work to find the total distance in miles. What is the missing number? Enter your answer in the box. **1 point**

$$\begin{array}{r}
 876 \\
 \times 12 \\
 \hline
 1752 \\
 8760 \\
 \hline
 10512
 \end{array}$$

7. Nicole buys envelopes for her home office that come in boxes of 125 envelopes. If she buys 18 boxes, how many envelopes will she have in all? **1 point**

**2,250 envelopes**

8. On a family vacation, Aaron took 1,276 digital photos. His twin sister Ashley took 4 times as many photos as Aaron. Write and solve an equation to find  $p$ , the number of photos that Ashley took. **2 points**



$$\begin{aligned}
 1,276 \times 4 &= p; \\
 p &= 5,104
 \end{aligned}$$

9. Multiply. **1 point**

$$\begin{array}{r}
 315 \\
 \times 62 \\
 \hline
 19,530
 \end{array}$$

10. Choose the correct expression for each number given at the left. **1 point**

|        | $43 \times 10^0$                    | $43 \times 10^2$                    | $43 \times 1,000$                   | $43 \times 10^1$                    |
|--------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 430    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 43,000 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4,300  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 43     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |

11. Select all the expressions that are equal to  $7 \times 10^4$ . **1 point**

- $7 \times 1,000$   
  $70 \times 100$   
  $700 \times 100$   
  $7 \times 10,000$   
  $7 \times 10$

12. Trevor has 228 e-books on his e-reader. Eli has 14 times as many e-books as Trevor. How many e-books does Eli have? **1 point**

**3,192 e-books**