Name _____

Topic **3**
Assessment

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

Ⓐ 20,000

Ⓑ 20,724

Ⓒ 20,100

Ⓓ 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?

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.

B. Did you calculate an overestimate or an underestimate? Explain how you know.

4. Is the equation below correct? Explain.

$7.9 \times 10^4 = 7{,}900$

Ⓐ The equation is incorrect. The product should have 3 zeros.

Ⓑ The equation is correct. The decimal moved two places to the right.

Ⓒ The equation is incorrect. The product should have 0 zeros.

Ⓓ 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.

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

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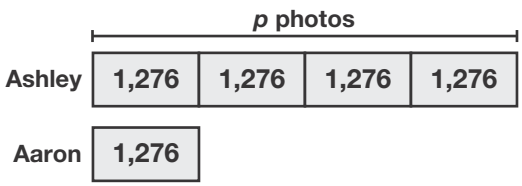
6. Ms. Gomez flies 876 miles round trip to visit her parents. What is the total distance in miles that she would fly for 12 visits to her parents' house? Below is her work to find the total distance in miles. What is the missing number? Enter your answer in the box.

$$\begin{array}{r} 876 \\ \times\ 12 \\ \hline 1752 \\ 8\square60 \\ \hline 10512 \end{array}$$

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?

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.



9. Multiply.

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

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

	43×10^0	43×10^2	$43 \times 1{,}000$	43×10^1
430	❒	❒	❒	❒
43,000	❒	❒	❒	❒
4,300	❒	❒	❒	❒
43	❒	❒	❒	❒

11. Select all the expressions that are equal to 7×10^4.

- ☐ $7 \times 1{,}000$
- ☐ 70×100
- ☐ 700×100
- ☐ $7 \times 10{,}000$
- ☐ 7×10

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?

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