

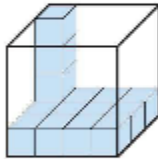
1 Solve.

- a.  $3 * 100 = 300$   
 b.  $6 * 1,000 = 6,000$   
 c.  $8 * 10,000 = 80,000$   
 d.  $3 * 100,000 = 300,000$   
 e.  $5 * 1,000,000 = 5,000,000$

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55-60

2 Write each number in exponential notation.

- a.  $100 = 10^2$   
 b.  $10,000 = 10^4$   
 c.  $1,000,000 = 10^6$   
 d.  $100,000 = 10^5$   
 e.  $100,000,000 = 10^8$

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613 Find the volume of the prism.  
Use the formula  $V = B \times h$ .

Area of the base =  $12$  units<sup>2</sup>  
 $V = 12 \times 4 = 48$  units<sup>3</sup>

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4 Make an estimate and then solve.

Estimates vary.

a. (estimate)  $\begin{array}{r} 34 \\ \times 8 \\ \hline 272 \end{array}$       b. (estimate)  $\begin{array}{r} 52 \\ \times 6 \\ \hline 312 \end{array}$

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23-245 **Writing/Reasoning** Explain how you knew how many zeros belonged in the products in Problems 1a–1c.

Sample answer: The product has the same number of zeros as the second number I multiplied because it is a power of 10.

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