

# Unit Readiness Assessment

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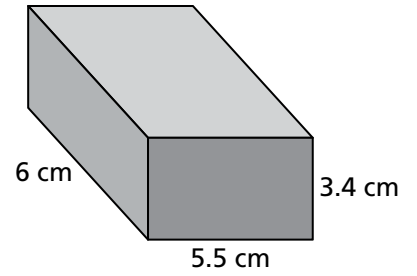
1. Write the product using an exponent.

$$8 \times 8 \times 8 \times 8$$

2. Find  $0.4 \times 0.8$ .

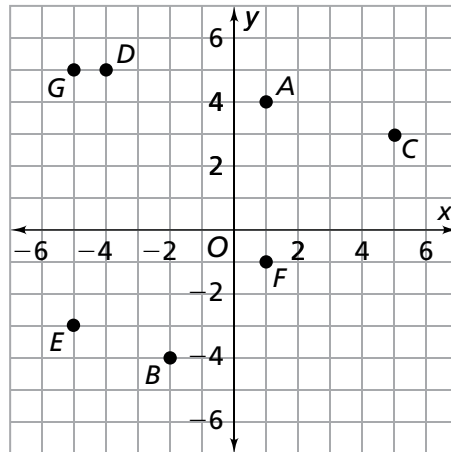
# Unit Readiness Assessment *(continued)*

3. Nina is mailing a package shaped like the rectangular prism shown in the figure. Use a net to find the surface area of the package.



Note: Figure not to scale.

4. Name the coordinates of point A.



# Unit Readiness Assessment *(continued)*

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5. What is the value of the following expression when  $y = 1$ ?

$$3 + 4 \cdot 2 - y$$

- A. 7
- B. 10
- C. 12
- D. 13

6. Write  $\frac{3}{8}$  as a decimal.

# Unit Readiness Assessment *(continued)*

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7. Write 0.6 as a fraction in simplest form.

8. Complete each statement.

a.  $\frac{1}{2} = \square \div \square$

b.  $1 \div 4 = \frac{\square}{\square}$

# Unit Readiness Assessment *(continued)*

9. Write an algebraic expression for the total cost of a bill at a restaurant when you include a parking fee.

Cost of a Bill (dollars)	51	63	73	$n$
Cost of a Bill Including a Parking Fee (dollars)	$51 + 8$	$63 + 8$	$73 + 8$	■

10. A flag measures 128 feet by 64 feet. Find its area.

