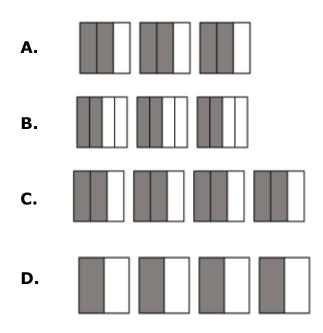


## MATHEMATICS

- **1.** Which number is equal to  $10^4$ ?
  - **A.** 100
  - **B.** 1,000
  - **C.** 10,000
  - **D.** 100,000
- **2.** Which fraction model best represents  $4 \times \frac{2}{3}$ ?

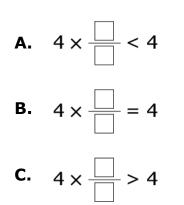


**3.** Conner is buying tickets to a concert. The concert he and his friends want to see costs \$4.75 per ticket. Connor has \$26.00 total.

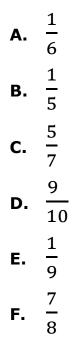
What is the **greatest** number of tickets Connor can buy?

- **A.** 4
- **B.** 5
- **C.** 6
- **D.** 7
- **4.** Tyler is 8 years old. His sister Olivia is 4 years less than twice his age. Write a numerical expression for Olivia's age in the box below.

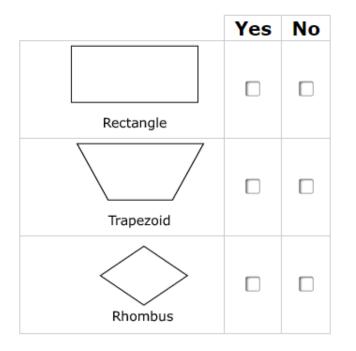
**5.** Write one number in each box to create a fraction that correctly completes each statement.



**6.** Select two fractions that can be rewritten with a denominator of 24.



**7.** All parallelograms have opposite sides that are equal in length and parallel. Determine whether each polygon shown is also a parallelogram. Select Yes or No for each polygon.



**8.** Lola has 4 orange juice containers. Each container is  $\frac{5}{8}$  full. Lola claims

to have a total of  $2\frac{1}{2}$  gallons of orange juice in the 4 containers.

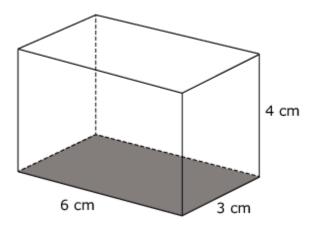
Which of these statements must be true in order for Lola's claim to be correct?

- **A.** Each container has a capacity of  $\frac{5}{8}$  gallon.
- **B.** Each container has a capacity of 1 gallon.
- **C.** Each container has a capacity of  $2\frac{1}{2}$  gallons.
- **D.** Each container has a capacity of 8 gallons.
- **9.** Ryan has  $\frac{1}{2}$  pound of chocolate. He divides it into 4 equal portions. Write the amount of chocolate, in pounds, in each portion in the box below.

**10.** Select **all** expressions that are equal to  $3\frac{1}{4}$ .

**A.** 
$$26 \times \frac{1}{8}$$
  
**B.**  $2\frac{1}{8} \times 2$   
**C.**  $4 \times 13$   
**D.**  $\frac{1}{4} \times 3$   
**E.**  $13 \times \frac{1}{4}$ 

**11.** The right rectangular prism shown has a length of 6 centimeters, width of 3 centimeters, and height of 4 centimeters.



Determine whether each equation can be used to find the volume (V) of this prism. Select Yes or No for each equation.

	Yes	No
$V = 18 \times 4$		
$V = (6 + 3) \times 4$		
$V = 6 \times 3 \times 4$		
$V = 9 \times 4$		

## **Answer Key**

1. C 2. C 3. B 4.  $2 \cdot 8 - 4 \text{ or } 12$ 5.  $e.g., \frac{1}{2}, \frac{1}{2}, \frac{2}{1}$ 6.  $\frac{1}{6}, \frac{7}{8}$ 7. Yes, No, Yes 8. B 9.  $\frac{1}{8}$  lb 10.  $26 \times \frac{1}{8}, 13 \times \frac{1}{4}$ 11. Yes, No, Yes, No



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3rd

4th

5th

6th

7th

8th