

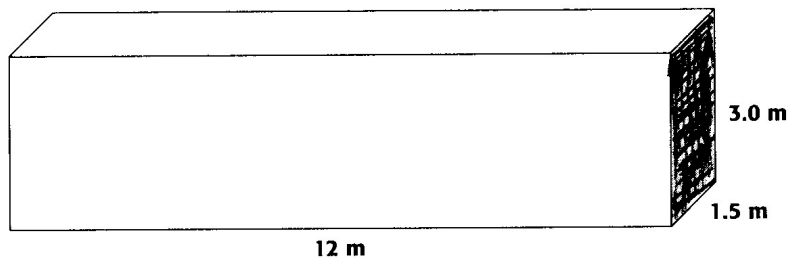
Assessment

**Pretest**

**Introduction to Science**

- \_\_\_\_\_ 1. Science is best known for  
**a.** conducting experiments. **c.** using only a single reference.  
**b.** reliance on tradition alone. **d.** using guesswork at all times.
- \_\_\_\_\_ 2. Which one of the following calculations could be used to find the number of seconds in a week?  
**a.**  $60 \times 24$  **c.**  $60 \times 60 \times 7$   
**b.**  $60 \times 60 \times 24$  **d.**  $60 \times 60 \times 24 \times 7$
- \_\_\_\_\_ 3. The space occupied by an object is its  
**a.** volume. **c.** mass.  
**b.** density. **d.** area.
4. Label each of the following as length, area, volume, mass, time, or temperature.
- \_\_\_\_\_ **a.** 472 kg  
 \_\_\_\_\_ **b.** 35 L  
 \_\_\_\_\_ **c.** 172 ms  
 \_\_\_\_\_ **d.** 25 cm  
 \_\_\_\_\_ **e.** 32°C  
 \_\_\_\_\_ **f.** 3500 m<sup>2</sup>  
 \_\_\_\_\_ **g.** 86 km
- \_\_\_\_\_ 5. Which of the following can be used to measure volume?  
**a.** a balance **c.** a measuring cup  
**b.** a speedometer **d.** a clock
6. Determine each of the following quantities for the box shown below.

$A = l \cdot w$   
 $V = l \cdot w \cdot h$



- \_\_\_\_\_ **a.** area of the shaded end in square meters  
 \_\_\_\_\_ **b.** volume in cubic meters