


**4 Chapter 4 Test, Form 2A**

SCORE \_\_\_\_\_

*Write the letter for the correct answer in the blank at the right of each question.*

1. Express *9 inches:3 yards* in simplest form.  
A. 3:1                      B. 1:4                      C. 12:1                      D. 1:12                      1. \_\_\_\_\_
2. Express *112 passengers to 8 minivans* in simplest form.  
F. 14 to 1                      G. 896 to 1                      H. 28 to 1                      J. 1 to 14                      2. \_\_\_\_\_
3. Express *\$10.78 for 11 dozen eggs* as a unit rate.  
A. \$0.22/dozen                      B. \$0.89/dozen                      C. \$1.20/dozen                      D. \$0.98/dozen                      3. \_\_\_\_\_
4. The amount of snow is half the amount of each previous day. Is the amount of snow proportional to the number of days?  
F. The amount of snow proportional to the number of days.  
G. The amount of snow is proportional to the amount of sun each day.  
H. not proportional  
I. cannot be determined                      4. \_\_\_\_\_
5. Solve  $\frac{a}{36} = \frac{3}{8}$ .  
A.  $\frac{2}{3}$                       B. 12                      C. 13.5                      D. 96                      5. \_\_\_\_\_
6. **FUEL ECONOMY** A car uses 40 gallons of gasoline to travel 980 miles. How many miles will the car travel on 5 gallons of gasoline?  
F. 4.9 mi                      G. 250 mi                      H. 175.5 mi                      J. 122.5 mi                      6. \_\_\_\_\_
7. The pair of polygons is similar. Use a proportion to find the missing measure.  
  
A. 12.5                      B. 15                      C. 20                      D. 14.5                      7. \_\_\_\_\_
8. **MAPS** The distance between two cities on a map is  $4\frac{1}{8}$  inches. Find the actual distance if the scale on the map is 2 inches = 40 miles.  
F. 165 mi                      G. 100 mi                      H.  $82\frac{1}{2}$  mi                      J.  $41\frac{1}{4}$  mi                      8. \_\_\_\_\_
9. **TRAVEL** It is 125 miles from San Diego to Los Angeles. How many kilometers is this?  
A. 2,011.68                      B. 201.17                      C. 135                      D. 77.67                      9. \_\_\_\_\_
10. **LION** A lion can travel at 50 miles per hour. How many feet per second is this?  
F. 73.33                      G. 600                      H. 733.3                      J. 264,000                      10. \_\_\_\_\_

# Glencoe Algebra 1 Chapter 10 Answers

**Camilla Rothe**



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