



## Practice

For use after Lesson 5.3

THURSDAY

Write a proportion to find how many points a student needs to score on the test to get the given score.

1. test worth 50 points; test score of 84%      2. test worth 75 points; test score of 96%

Use the table to write a proportion.

3.

|         | Trip 1 | Trip 2 |
|---------|--------|--------|
| Miles   | 104    | 78     |
| Gallons | 4      | $g$    |

4.

|        | Tree 1 | Tree 2 |
|--------|--------|--------|
| Inches | 15     | $x$    |
| Years  | 4      | 3      |

Solve the proportion.

5.  $\frac{1}{3} = \frac{x}{12}$

6.  $\frac{5}{9} = \frac{25}{y}$

7.  $\frac{26}{z} = \frac{13}{22}$

8.  $\frac{b}{30} = \frac{2.6}{1.5}$

9. A local Humane Society houses 300 animals. The ratio of cats to all animals is 7 : 15.

a. Write a proportion that gives the number of cats  $c$ .

b. How many cats are in the Humane Society?