## Solving Problems using Proportional Reasoning

Name Date

For each problem, set up a proportion. Include the units for each ratio. Then solve for the missing value and label your answer with appropriate units. Round answers to the nearest tenth.

Sam raked 3 bags of leaves in 16 minutes. If he continues to work at the same rate, about how long will it take him to rake 5 bags?

Proportion with Units

3bags = 5 bags about
16 min 27 min

Work + Solution

2. Amy earned \$25 after babysitting for 3 hours. If she always charges the same rate, how much will she make after working for 7 hours?

Proportion with Units

Work + Solution

about

3. A 2-month membership to the gym costs \$125. Jim would like to be a member for 8 months. What is the total amount he will pay for 8 months?

Proportion with Units

2 month \_ 8 month

Work + Solution

\$500

4. Bobby drove 110 miles, and his car used up 5 gallons of gas. How many miles can he drive with 16 gallons of gas?

Proportion with Units

110 miles

5 aal

X X= 352 16 gas

Work + Solution

5. Mary ran 2 miles in about 23 minutes. If she continued at the same pace, how long will it take her to run 10 miles?

Proportion with Units

2 miles = 10 miles x=115 13 min

Work + Solution

miles

minutes