Proportions Practice

(Round your answers to one decimal place)

1. $\frac{2}{9} = \frac{x}{19}$
2. $\frac{6}{19} = \frac{7}{x}$
3. $\frac{x}{9} = \frac{2}{7}$
4. $\frac{x}{8} = \frac{1}{13}$
5. $\frac{x}{3} = \frac{2}{23}$
6. $\frac{5}{8} = \frac{x}{28}$
7. $\frac{2}{5} = \frac{x}{22}$
8. $\frac{9}{8} = \frac{3}{x}$
9. $\frac{5}{x} = \frac{7}{25}$
10. $\frac{3}{x} = \frac{5}{15}$

Word Problems

(Round your answers to one decimal place)

Novice:

1. Sam raked 3 bags of leaves in 16 minutes. If he continues to rake at the same rate, how long will it take him to rake 5 bags? $\frac{bags}{minutes}$
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? $\frac{\$\ earned}{hours\ worked}$
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? $\frac{cost}{months}$
4. Bobby drove 110 miles and his car used 5 gallons of gas. How many miles can he drive with 16 gallons of gas? $\frac{miles}{gallons}$
5. Mary ran 2 miles in 23 minutes. If she continued at the same pace, how long will it take her to run 10 miles? $\frac{miles}{minutes}$

Apprentice/Expert:

1. The ratio of the length to the width of a rectangle is 5:3. If the rectangle is 24 cm wide, how long is it?
2. A map is drawn with a scale of 2cm = 5km. Nicole measured the distance to the next town as 3cm. How many kilometers does she have to travel to get to the next town?
3. A building is 298 m tall, and its antenna reaches to 355 m. A model of the building, without the antenna, is 11.9 cm tall. How long will the antenna on the model be?

Answer Keys:

Proportions Practice: 1) 4.2 2) 22.2 3) 2.6 4) 0.6 5) 0.3 6) 17.5 7) 8.8 8) 2.7 9) 17.9 10) 9

Word Problems Novice: 1) 26.7 minutes 2) $58.30 3) $500 4) 352 miles 5) 115 minutes

Word Problems Apprentice/Expert: 1) 40cm 2) 7.5km 3) 14.2cm