LESSON 6.2

Name _____ Date _____

Practice B

For use with pages 275–279

Use equivalent ratios to solve the proportion.

1. $\frac{2}{7} = \frac{24}{x}$ **2.** $\frac{4}{15} = \frac{x}{90}$ **3.** $\frac{x}{20} = \frac{154}{280}$

4. $\frac{x}{13} = \frac{70}{91}$ **5.** $\frac{17}{30} = \frac{x}{120}$ **6.** $\frac{25}{28} = \frac{375}{x}$

7. $\frac{x}{35} = \frac{96}{210}$ **8.** $\frac{34}{9} = \frac{x}{162}$ **9.** $\frac{x}{41} = \frac{165}{205}$

Use algebra to solve the proportion.

10. $\frac{x}{14} = \frac{10}{4}$ **11.** $\frac{x}{22} = \frac{20}{5}$ **12.** $\frac{15}{65} = \frac{x}{13}$

13. $\frac{40}{24} = \frac{x}{9}$ **14.** $\frac{63}{93} = \frac{x}{31}$ **15.** $\frac{x}{36} = \frac{12}{16}$

16. $\frac{15}{26} = \frac{x}{182}$ **17.** $\frac{x}{108} = \frac{15}{12}$ **18.** $\frac{20}{68} = \frac{x}{17}$

19. $\frac{4.5}{20} = \frac{x}{4}$ **20.** $\frac{x}{16.5} = \frac{84}{132}$ **21.** $\frac{x}{14} = \frac{11}{35}$

In Exercises 22–25, write and solve a proportion to solve the problem.

22. Four notebooks cost $4.40. How many notebooks can you buy for $6.60?

23. Two roses cost $3.50. How many roses can you buy for $17.50?

24. A roll of paper towels cost $1.90. How many rolls can you buy for $9.50?

25. Carl works 8 hours and earns $52. How many hours would he have to work to earn $130?

26. Use the table below that shows the prices of several fruits to answer the following questions.

Fruit	Price
Apples	4 for $3.00
Bananas	3 lb/$1.50
Cantaloupes	2 for $2.50
Cherries	2 lb/$2.40
Peaches	1 lb/$.90

a. How much would 5 pounds of bananas cost?

b. How much would 7 apples cost?

c. You are making a fruit salad for a party. You want to use 5 apples, 2 pounds of bananas, 1 cantaloupe, 1.5 pounds of cherries, and 2 pounds of peaches. How much will the fruit cost for your fruit salad?