Name: _____

Solving Proportions B

Solve each proportion for x.

1. $\frac{5}{2} = \frac{x}{8}$ x = _____

2. $\frac{11}{8} = \frac{x}{40}$ x = _____

3. $\frac{x}{10} = \frac{10}{25}$ x = _____

4. $\frac{x}{12} = \frac{14}{24}$ x = _____

5. $\frac{8}{14} = \frac{x}{56}$ x = _____

6. $\frac{8}{6} = \frac{x}{30}$ x = _____

7. $\frac{x}{8} = \frac{4}{32}$ x = _____

8. $\frac{9}{10} = \frac{27}{x}$ x = _____

9. $\frac{1}{x} = \frac{5}{10}$ x = _____

10. $\frac{10}{13} = \frac{30}{x}$ x = _____

11. $\frac{3}{6} = \frac{x}{24}$ x = _____

12. $\frac{3}{4} = \frac{9}{x}$ x = _____

13. $\frac{x}{14} = \frac{15}{35}$ x = _____

14. $\frac{x}{2} = \frac{36}{12}$ x = _____

15. $\frac{x}{3} = \frac{15}{9}$ x = _____

16. $\frac{12}{14} = \frac{x}{28}$ x = _____

17. $\frac{12}{x} = \frac{60}{40}$ x = _____

18. $\frac{x}{9} = \frac{2}{18}$ x = _____

19. $\frac{5}{10} = \frac{x}{40}$ x = _____

20. $\frac{x}{14} = \frac{8}{56}$ x = _____

Name: **ANSWER KEY**

Solving Proportions B

Solve each proportion for x.

1. $\frac{5}{2} = \frac{x}{8}$ x = 20
2. $\frac{11}{8} = \frac{x}{40}$ x = 55
3. $\frac{x}{10} = \frac{10}{25}$ x = 4
4. $\frac{x}{12} = \frac{14}{24}$ x = 7
5. $\frac{8}{14} = \frac{x}{56}$ x = 32
6. $\frac{8}{6} = \frac{x}{30}$ x = 40
7. $\frac{x}{8} = \frac{4}{32}$ x = 1
8. $\frac{9}{10} = \frac{27}{x}$ x = 30
9. $\frac{1}{x} = \frac{5}{10}$ x = 2
10. $\frac{10}{13} = \frac{30}{x}$ x = 39
11. $\frac{3}{6} = \frac{x}{24}$ x = 12
12. $\frac{3}{4} = \frac{9}{x}$ x = 12
13. $\frac{x}{14} = \frac{15}{35}$ x = 6
14. $\frac{x}{2} = \frac{36}{12}$ x = 6
15. $\frac{x}{3} = \frac{15}{9}$ x = 5
16. $\frac{12}{14} = \frac{x}{28}$ x = 24
17. $\frac{12}{x} = \frac{60}{40}$ x = 8
18. $\frac{x}{9} = \frac{2}{18}$ x = 1
19. $\frac{5}{10} = \frac{x}{40}$ x = 20
20. $\frac{x}{14} = \frac{8}{56}$ x = 2