Name: Due Date: Teacher: Parent Sign:

1. Solve x ÷ 5 = 8.

2. Solve x ÷ 12 = 7.

3. Solve n ÷ 9 = 6.

4. Solve y ÷ 3 = 4.

5. Solve x ÷ 15 = 2.

6. Solve p ÷ 4 = 11.

7. Solve t ÷ 10 = 3.

8. Solve a ÷ 7 = 3.

9. Solve m ÷ 25 = 9.

10. Solve s ÷ 6 = 7.

11. A bakery packs 48 muffins into boxes, 8 muffins per box. Let m be the number of boxes. Write and solve the equation for m.

12. A farmer puts 12 apples in each crate and uses x crates for 360 apples. Write and solve for x.

One-step multiplication equations

13. Solve 7x = 56.

14. Solve 9x = 81.

15. Solve 12x = 84.

16. Solve 5x = 35.

17. Solve 8x = 64.

18. Solve 15x = 45.

19. Solve 3x = 27.

20. Solve 11x = 121.

21. A farmer has 4 equal pens and 28 sheep total. Let x be the number of sheep per pen. Write and solve the equation.

22. Five times a number is 60. Find the number.

23. A recipe uses 6 equal scoops of sugar that total 30 grams. How many grams per scoop?

24. Six students shared $54 equally. How much did each student contribute? (Write and solve an equation.)

One-step multiplication & division equations: fractions & decimals

25. Solve x ÷ 0.5 = 10.

26. Solve x ÷ 0.25 = 7.

27. Solve 0.4x = 12.

28. Solve 0.75x = 9.

29. Solve x ÷ 0.2 = 6.

Math Worksheet for 6th Grade
One-step multiplication and division equations
Name: Due Date: Teacher: Parent Sign:

30. Solve $0.6x = 3$.

31. A rope is cut into 14 pieces, each 0.5 m long. Let L be the original length. Write and solve $L \div 0.5 = 14$.

32. A cyclist rides 0.25 km each minute for 120 minutes. If d is the total distance, write and solve $d \div 0.25 = 120$.

33. Solve $x \div 0.75 = 8$.

34. Solve $0.05x = 2$.

35. A bottle holds 2.5 liters; b bottles hold 20 liters total. Write and solve $2.5b = 20$.

36. Each lap is 0.8 km. If a runner runs 8 km total, how many laps did they run? (Write and solve $0.8L = 8$.)

One-step multiplication equations: fractional coefficients

37. Solve $(\frac{1}{2})x = 9$.

38. Solve $(\frac{3}{4})x = 21$.

39. Solve $(\frac{2}{3})x = 12$.

40. Solve $(\frac{5}{6})x = 30$.

41. Solve $(\frac{4}{5})x = 20$.

42. Solve $(\frac{7}{8})x = 56$.

43. Three-quarters of a number is 15. Find the number. (Write and solve.)

44. One-half of Sam's stickers equals 12. How many stickers does he have?

45. A tank is $\frac{2}{5}$ full and contains 14 liters. What is the tank's full capacity? (Write and solve.)

46. Solve $(\frac{3}{5})x = 27$.

47. Solve $(\frac{5}{8})x = 20$.

48. A school used $\frac{3}{7}$ of its paper supply, which amounted to 9 reams. What was the total supply? (Write and solve.)

49. Solve $(\frac{9}{10})x = 90$.

50. A number times $\frac{2}{9}$ equals 18. Find the number. (Write and solve.)