School786
AN ONLINE SCHOOL

Name: Due Date: Teacher: Parent Sign:

1. $\frac{3}{4} \div 2$

2. $\frac{5}{6} \div 3$

3. $\frac{7}{8} \div 4$

4. $\frac{1}{2} \div 5$

5. $\frac{2}{3} \div 2$

6. $\frac{9}{10} \div 3$

7. $\frac{4}{5} \div 4$

8. $\frac{6}{7} \div 6$

9. $\frac{3}{10} \div 2$

10. $\frac{5}{8} \div 5$

11. What is the reciprocal of $\frac{3}{4}$?

12. What is the reciprocal of 7?

13. If a number's reciprocal is $\frac{2}{5}$, what is the number?

14. In one sentence, explain why dividing by a fraction means multiplying by its reciprocal.

15. What is the reciprocal of $\frac{1}{9}$?

16. True or false: The reciprocal of 1 is 1.

17. What is the reciprocal of $\frac{10}{3}$?

18. What is the reciprocal of 0.5?

19. If a x b = 1, then what is b in terms of a?

20. Fill in the blank: The reciprocal of a/b is ___.

21. $5 \div \frac{1}{4}$

22. $7 \div \frac{2}{3}$

23. $8 \div \frac{3}{5}$

24. $6 \div \frac{1}{2}$

25. $9 \div \frac{3}{4}$

26. $4 \div \frac{5}{6}$

27. $2 \div \frac{7}{8}$

28. $12 \div \frac{1}{3}$

29. $10 \div \frac{2}{5}$

30. $15 \div \frac{4}{9}$

31. Use the reciprocal to compute $5 \div \frac{3}{4}$.

32. Calculate $11 \div \frac{2}{7}$ using the reciprocal.

33. $14 \div \frac{5}{8}$

34. $3 \div \frac{3}{2}$

35. $1 \div \frac{4}{5}$

36. Word problem: A recipe needs $\frac{3}{4}$ cup of sugar for one cake. How many cakes can you make with 9 cups of sugar?

37. Word problem: A ribbon 5 meters long is cut into pieces each $\frac{2}{3}$ meter long. How many pieces (including any fractional piece) are there?

38. Word problem: You have 7 liters of paint. Each wall needs $\frac{1}{2}$ liter. How many walls can you paint?

39. Word problem: How many $\frac{3}{5}$-gallon portions are in 10 gallons of gas?

40. Word problem: A yard is divided into strips each $\frac{4}{7}$ yard wide. How many strips are in 6 yards?

41. $\frac{3}{4} \div 3$

42. Find x: $x \div \frac{1}{3} = 27$

43. $6 \div \frac{3}{2}$

44. A box contains 8 kilograms of flour. Each bag needs $\frac{1}{5}$ kg. How many bags can you fill?

45. If the reciprocal of a is $\frac{4}{9}$, what is a?

46. Which is largest: the reciprocal of $\frac{1}{2}$, the reciprocal of $\frac{2}{3}$, or the reciprocal of $\frac{3}{4}$?

47. A student calculates $5 \div \frac{2}{3}$ and writes $5 \times \frac{2}{3} = \frac{10}{3}$. Is the student correct? Explain briefly.

48. $0.75 \div 3$

49. $18 \div \frac{3}{4}$

50. Word problem: A rope $2\frac{1}{2}$ meters long is cut into pieces each $\frac{3}{8}$ meter long. How many pieces are there (including fractional piece)?