

Dividing with Fractions

Two numbers whose product is 1 are called reciprocals.

3 and $\frac{1}{3}$ are reciprocals. $\frac{3}{1} \times \frac{1}{3} = 1$

Name the reciprocal of each of the following.

1. 8

2. $\frac{1}{2}$

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

4. 10

Divide. Write each quotient in simplest form.

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

6. $\frac{3}{4} \div 4 =$

7. $9 \div \frac{3}{5} =$

8. $\frac{1}{5} \div \frac{1}{10} =$

9. $\frac{4}{9} \div \frac{2}{3} =$

10. $10 \div \frac{6}{7} =$

11. $\frac{7}{10} \div \frac{7}{10} =$

12. $\frac{5}{9} \div 5 =$

13. $6\frac{1}{3} \div 2 =$

14. $\frac{1}{4} \div \frac{1}{2} =$

15. $\frac{3}{4} \div \frac{2}{8} =$

16. $\frac{1}{4} \div \frac{1}{6} =$

17. $\frac{2}{3} \div \frac{1}{6} =$

18. $\frac{1}{2} \div \frac{1}{4} =$

19. $\frac{1}{5} \div \frac{9}{5} =$

20. $\frac{3}{8} \div \frac{2}{3} =$

21. $\frac{1}{5} \div \frac{1}{15} =$

22. $\frac{3}{14} \div \frac{1}{7} =$

23. $\frac{7}{8} \div \frac{21}{24} =$

24. $\frac{7}{10} \div \frac{3}{4} =$

25. $\frac{11}{20} \div \frac{33}{40} =$

Solve.

26. Rhonda drinks $\frac{3}{4}$ glass of juice every day. How much juice does she drink in a week?

27. Luiz drinks $\frac{7}{8}$ glass of juice every day. How much juice does he drink in a week?