



# Math Worksheet for 5th Grade

## Relate fraction division to fraction multiplication

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

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

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

3.  $\frac{5}{6} \div \frac{1}{3}$

4.  $\frac{7}{8} \div \frac{7}{16}$

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

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

7.  $\frac{9}{10} \div \frac{3}{5}$

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

9.  $6 \div \frac{3}{4}$

10.  $\frac{11}{12} \div \frac{1}{4}$

11. Rewrite and solve:  $\frac{2}{3} \div \frac{4}{9}$

12.  $5 \div \frac{2}{3}$

13.  $\frac{7}{3} \div \frac{7}{6}$

14.  $\frac{8}{9} \div \frac{4}{27}$

15. Word: A ribbon is  $\frac{3}{4}$  yard long. If each piece is  $\frac{1}{8}$  yard, how many pieces can you cut?

16. Word: A recipe needs  $\frac{2}{3}$  cup sugar. If you use  $\frac{1}{9}$ -cup scoops, how many scoops do you need?

17. Word: Joe has  $\frac{5}{6}$  of a pizza and wants slices that are  $\frac{1}{12}$  of the pizza. How many slices can he make?

18. Word: Sarah ran  $\frac{3}{2}$  miles. Each lap is  $\frac{1}{4}$  mile. How many laps did she run?

19. Word: A board is  $2\frac{1}{2}$  feet long. If you cut pieces  $\frac{3}{4}$  foot long, how many full pieces will you get? (Give any leftover as a fraction of a piece.)

20.  $4\frac{1}{3} \div \frac{2}{3}$

21.  $(\frac{1}{2}) \div (\frac{2}{3})$

22.  $0.5 \div \frac{1}{4}$

23.  $\frac{3}{5} \div \frac{9}{10}$

24.  $7 \div \frac{14}{15}$

25. Word: A candy bag weighs  $\frac{3}{8}$  lb. How many such bags can you make from 6 lb?

26. Solve for x:  $x \div \frac{3}{7} = 2$

27. Solve for x:  $\frac{4}{7} \div x = 2$

28. Word: If  $\frac{1}{3}$  yard of fabric costs \$4, how much does 1 yard cost?

29. Word: A teacher has  $3\frac{1}{4}$  meters of ribbon. She cuts pieces  $\frac{1}{2}$  meter long. How many whole pieces can she cut, and how much ribbon is left?

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

31.  $1\frac{2}{3} \div \frac{5}{6}$



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32. Word: A tank holds  $\frac{7}{8}$  gallon. If each scoop is  $\frac{1}{16}$  gallon, how many scoops are there?
33. Word: If  $\frac{2}{5}$  of a cake serves 3 people, how many people does one whole cake serve?
34. Word: A rope is  $4\frac{1}{2}$  meters long. Cut it into pieces of  $\frac{3}{8}$  meter. How many pieces?
35.  $\frac{5}{12} \div \frac{5}{18}$
36.  $\frac{6}{11} \div \frac{2}{3}$
37. Word: A gardener has  $\frac{7}{5}$  lb of seeds. Each row uses  $\frac{2}{3}$  lb. How many full rows can she plant? (Give leftover if any.)
38.  $0 \div \frac{3}{4}$
39.  $\frac{3}{7} \div 3$
40. Rewrite and solve:  $15 \div \frac{3}{4}$
41. Word: \$12 buys  $\frac{1}{3}$  yard of fabric. What is the cost per yard?
42. Word: A car travels  $\frac{5}{6}$  mile in  $\frac{1}{10}$  hour. What is its speed in miles per hour?
43.  $\frac{14}{3} \div \frac{7}{6}$
44.  $1 \div \frac{7}{4}$
45.  $\frac{2}{9} \div \frac{1}{6}$
46. Word: Each piece of a chocolate bar is  $\frac{2}{5}$  of a bar. How many pieces come from 3 bars? (How many full pieces?)
47. Word: Each serving is  $\frac{3}{10}$  liter. How many full servings from 4 liters?
48.  $\frac{5}{8} \div \frac{5}{16}$
49.  $(\frac{3}{10}) \div (\frac{9}{20})$
50. Word: A baker uses  $\frac{7}{4}$  lb of flour to make 3 loaves. How much flour per loaf?