

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. Explain in words what $\frac{3}{4} \div \frac{1}{8}$ means.
2. Calculate $\frac{3}{4} \div \frac{1}{8}$.
3. Which is greater: $\frac{2}{5} \div \frac{1}{3}$ or $\frac{1}{3} \div \frac{2}{5}$? Show both calculations.
4. Calculate $\frac{2}{3} \div \frac{1}{6}$.
5. Calculate $\frac{1}{3} \div \frac{2}{5}$.
6. Calculate $\frac{4}{9} \div \frac{2}{3}$.
7. Calculate $\frac{5}{8} \div \frac{3}{10}$.
8. Calculate $\frac{2}{5} \div \frac{7}{3}$.
9. Calculate $\frac{3}{5} \div \frac{1}{2}$.
10. Explain the steps to divide $a/b \div c/d$ using an example.
11. Mia has $\frac{3}{4}$ yard of ribbon. She cuts pieces $\frac{1}{8}$ yard long. How many pieces can she cut?
12. A recipe calls for $\frac{2}{3}$ cup of sugar. You have a $\frac{1}{6}$ -cup scoop. How many scoops are needed?
13. Sam ran $\frac{5}{6}$ of a mile. Each lap is $\frac{1}{12}$ mile. How many laps did he run?
14. Write a word problem that models $\frac{7}{8} \div \frac{1}{4}$ and solve it.
15. Write a word problem that models $\frac{9}{5} \div \frac{3}{2}$ and solve it.
16. Calculate $2\frac{1}{2} \div \frac{1}{3}$.
17. Calculate $4\frac{2}{3} \div \frac{2}{3}$.
18. Calculate $3\frac{1}{4} \div 1\frac{1}{2}$.
19. Calculate $5 \div \frac{3}{4}$.
20. Calculate $7 \div \frac{2}{5}$.
21. You have 5 yards of fabric. Each T-shirt needs $\frac{3}{4}$ yard. How many full T-shirts can you make (and what is the exact answer)?
22. You have 7 yards of fabric. Each T-shirt needs $\frac{2}{5}$ yard. How many shirts can you make?
23. Emily has 9 yards of fabric. Each shirt needs $\frac{7}{8}$ yard. How many shirts can she make?
24. A shop has 8 yards of fabric. Each shirt requires $\frac{5}{6}$ yard. How many shirts can they make?
25. You have 3 yards of fabric. Each shirt needs $\frac{2}{3}$ yard. How many shirts?
26. Marcus has 10 yards of fabric. Each shirt needs $1\frac{1}{4}$ yards. How many shirts can he make?
27. Write a T-shirt story problem for $4 \div \frac{2}{5}$ and solve it.
28. A logo uses $\frac{3}{10}$ yard of material. You have 2 yards. How many logos can you make?
29. A rectangle has area $\frac{3}{4} m^2$ and one side is $\frac{1}{3}$ m. What is the other side length?
30. A garden area is $5\frac{1}{2} m^2$ and the width is $1\frac{1}{4}$ m. What is the length?
31. A poster has area $\frac{9}{10} m^2$ and height $\frac{3}{5}$ m. What is the width?

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32. A rug has area $\frac{7}{8} m^2$ and one side is $\frac{1}{4}$ m. What is the other side?
33. A tile has area $1 \frac{1}{2} m^2$ and one side $\frac{2}{3}$ m. What is the other side?
34. A rectangle has area $\frac{4}{5} m^2$ and one side $\frac{2}{3}$ m. Find the other side.
35. A play mat has area $6 \frac{1}{2} m^2$ and one side is $\frac{2}{5}$ m. Find the other side.
36. Create a real-life story problem that matches $\frac{4}{5} \div \frac{2}{3}$ and solve it.
37. Create a real-life story problem that matches $\frac{11}{4} \div \frac{1}{2}$ and solve it.
38. Calculate $\frac{11}{6} \div \frac{2}{3}$.
39. Calculate $\frac{7}{10} \div \frac{7}{15}$.
40. Calculate $0 \div \frac{3}{5}$ and explain the meaning.
41. Calculate $\frac{3}{7} \div \frac{9}{14}$.
42. Calculate $6 \frac{3}{4} \div 2 \frac{1}{2}$.
43. Calculate $4 \frac{1}{2} \div \frac{3}{4}$.
44. Calculate $1 \div \frac{2}{3}$.
45. Calculate $2 \div \frac{3}{8}$.
46. A ribbon $\frac{7}{8}$ yard long is cut into pieces $\frac{1}{16}$ yard long. How many pieces are there?
47. A pan holds $\frac{3}{4}$ liter. You have 9 liters of soup. How many full pans can you fill?
48. A rope is $2 \frac{2}{3}$ m long. It is cut into pieces of $\frac{2}{9}$ m. How many pieces do you get?
49. A painting has area $\frac{15}{4}$ square meters and the width is $\frac{3}{2}$ m. What is the height (other side)?
50. True or False: $(a/b) \div (c/d) = (a \div c) / (b \div d)$. Explain your answer.