Math Worksheet for 6th Grade

Dividing fractions by fractions

Name: Due Date: Teacher: Parent Sign:

Questions:

1. How many $\frac{1}{4}$ pieces are in $\frac{3}{4}$? $(\frac{3}{4} \div \frac{1}{4})$
2. $\frac{2}{3} \div \frac{1}{3}$
3. $\frac{5}{6} \div \frac{1}{2}$
4. $\frac{1}{2} \div \frac{1}{4}$
5. $\frac{3}{8} \div \frac{3}{4}$
6. $\frac{4}{5} \div \frac{2}{5}$
7. $\frac{7}{10} \div \frac{1}{5}$
8. $\frac{2}{7} \div \frac{1}{7}$
9. $\frac{3}{4} \div \frac{3}{8}$
10. How many $\frac{1}{6}$ pieces are in 1 whole? $(1 \div \frac{1}{6})$
11. $\frac{2}{5} \div \frac{7}{3}$
12. $\frac{7}{3} \div \frac{2}{5}$
13. $\frac{3}{5} \div \frac{1}{2}$
14. $\frac{1}{2} \div \frac{3}{5}$
15. $2\ \frac{1}{2} \div \frac{1}{2}$
16. $3\ \frac{1}{3} \div 2$
17. $4 \div 1\ \frac{1}{4}$
18. $1\ \frac{3}{4} \div \frac{1}{2}$
19. $2\ \frac{2}{3} \div \frac{4}{5}$
20. $5\ \frac{1}{2} \div \frac{1}{4}$
21. $3\ \frac{2}{5} \div \frac{2}{3}$
22. $6 \div 1\ \frac{2}{3}$
23. A recipe needs $\frac{3}{4}$ cup sugar per batch. If you have 2 cups, how many batches? $(2 \div \frac{3}{4})$
24. Sam has 5 yards of fabric. Each T-shirt needs $\frac{3}{4}$ yard. How many T-shirts can he make? $(5 \div \frac{3}{4})$
25. A ribbon $\frac{7}{8}$ m long is cut into pieces of $\frac{1}{8}$ m. How many pieces? $(\frac{7}{8} \div \frac{1}{8})$
26. A container holds $\frac{4}{5}$ liter. If each cup is $\frac{1}{10}$ liter, how many cups? $(\frac{4}{5} \div \frac{1}{10})$
27. Jade has $\frac{3}{2}$ kg of flour. If each cake needs $\frac{1}{3}$ kg, how many cakes? $(\frac{3}{2} \div \frac{1}{3})$
28. A board $2\ \frac{1}{4}$ ft long is cut into pieces $\frac{3}{8}$ ft long. How many pieces? $(2\ \frac{1}{4} \div \frac{3}{8})$
29. A $\frac{1}{2}$ m ribbon is divided into strips of $\frac{1}{8}$ m. How many strips? $(\frac{1}{2} \div \frac{1}{8})$
30. One T-shirt uses $\frac{2}{3}$ yard. With 10 yards, how many shirts? $(10 \div \frac{2}{3})$
31. 7 yards of fabric, each shirt uses $\frac{3}{5}$ yard. How many shirts? $(7 \div \frac{3}{5})$

32. 4 yards, each uses $1\ \frac{1}{2}$ yards. How many shirts? $(4 \div 1\ \frac{1}{2})$
33. $9 \div \frac{3}{4}$
34. $2\ \frac{1}{2}$ yards, shirts need $\frac{5}{8}$ yard. How many shirts? $(2\ \frac{1}{2} \div \frac{5}{8})$
35. A rectangle has area $\frac{3}{4}\ m^2$ and width $\frac{1}{3}$ m. Find the length. (area ÷ width)
36. Area $\frac{5}{6}\ m^2$, width $\frac{2}{3}$ m. Find the length. $(\frac{5}{6} \div \frac{2}{3})$
37. Area $\frac{7}{8}\ m^2$, width $\frac{7}{16}$ m. Find the length. $(\frac{7}{8} \div \frac{7}{16})$
38. Area $1\ \frac{1}{2}\ m^2$, width $\frac{3}{4}$ m. Find the length. $(\frac{3}{2} \div \frac{3}{4})$
39. Area $\frac{2}{5}\ m^2$, width $\frac{1}{5}$ m. Find the length. $(\frac{2}{5} \div \frac{1}{5})$
40. $\frac{4}{9} \div \frac{2}{3}$
41. $\frac{1}{3} \div \frac{2}{9}$
42. $5 \div \frac{2}{5}$
43. $\frac{3}{10} \div \frac{3}{5}$
44. $\frac{8}{9} \div \frac{4}{9}$
45. $\frac{6}{7} \div \frac{2}{7}$
46. $\frac{2}{3} \div \frac{4}{5}$
47. $\frac{9}{4} \div \frac{3}{2}$
48. $\frac{7}{12} \div \frac{1}{6}$
49. $11 \div \frac{1}{4}$
50. $2 \div \frac{5}{8}$