



Math Worksheet for 5th Grade

Dividing whole numbers by unit fractions

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

2. There are 5 whole chocolate bars. Each bar is divided into 4 equal pieces ($\frac{1}{4}$ each). How many $\frac{1}{4}$ pieces are there altogether?
3. A ribbon is 2 meters long. The ribbon is marked into pieces of length $\frac{1}{8}$ meter. How many $\frac{1}{8}$ -meter pieces can you get from 2 meters?
4. A water jug holds 7 liters. You measure water using a $\frac{1}{2}$ liter cup. How many $\frac{1}{2}$ -liter cups are in 7 liters?
5. A cake recipe makes 4 whole cakes. Each cake is cut into slices that are $\frac{1}{3}$ of a cake. How many $\frac{1}{3}$ slices from the 4 cakes?
6. You have 6 meters of rope. You cut it into pieces that are each $\frac{1}{4}$ meter long. How many $\frac{1}{4}$ -meter pieces do you get?
7. There are 9 yards of fabric. The fabric is measured in pieces that are $\frac{1}{9}$ yard each. How many $\frac{1}{9}$ -yard pieces are there?
8. A long board is 10 feet. You mark off pieces that are $\frac{1}{5}$ foot. How many $\frac{1}{5}$ -foot pieces are in the board?
9. A pack contains 8 identical bars of soap. Each soap bar will be cut into pieces that are $\frac{1}{2}$ bar. How many $\frac{1}{2}$ -bar pieces result?
10. A ribbon of length 4 meters is shown on a number line divided into equal $\frac{1}{4}$ -meter segments. How many $\frac{1}{4}$ -meter segments are in the whole 4-meter ribbon?
11. Compute: $8 \div \frac{1}{2} =$
12. Compute: $5 \div \frac{1}{3} =$
13. Compute: $7 \div \frac{1}{4} =$
14. Compute: $6 \div \frac{1}{6} =$
15. Compute: $10 \div \frac{1}{5} =$
16. Compute: $9 \div \frac{1}{8} =$
17. Compute: $12 \div \frac{1}{3} =$
18. Compute: $4 \div \frac{1}{2} =$
19. Compute: $3 \div \frac{1}{10} =$
20. Compute: $14 \div \frac{1}{7} =$
21. Compute: $15 \div \frac{1}{3} =$
22. Compute: $11 \div \frac{1}{2} =$
23. Compute: $20 \div \frac{1}{4} =$
24. Compute: $13 \div \frac{1}{2} =$
25. Compute: $2 \div \frac{1}{3} =$
26. Compute: $16 \div \frac{1}{4} =$
27. Compute: $18 \div \frac{1}{3} =$
28. Compute: $21 \div \frac{1}{3} =$
29. Compute: $24 \div \frac{1}{4} =$



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30. Compute: $30 \div \frac{1}{5} =$
31. Maria has 4 pounds of flour. Each batch of cookies uses $\frac{1}{2}$ pound of flour. How many batches can she make?
32. A piece of tape is 7 inches long. You cut it into pieces that are $\frac{1}{7}$ inch long. How many $\frac{1}{7}$ -inch pieces do you have?
33. A yardstick is 3 feet long. You mark off pieces that are $\frac{1}{6}$ foot. How many $\frac{1}{6}$ -foot pieces are in 3 feet?
34. A chef has 5 cups of milk. Each serving needs $\frac{1}{4}$ cup. How many servings can the chef make?
35. A baker has 8 whole loaves. Each loaf is cut into slices that are $\frac{1}{8}$ of a loaf. How many slices does the baker have?
36. A farm has 12 acres of land. They divide the land into strips that are $\frac{1}{3}$ acre each. How many strips are there?
37. James has 10 liters of paint. Each small can holds $\frac{1}{5}$ liter. How many small cans can he fill?
38. A 15-meter rope is cut into pieces each $\frac{1}{3}$ meter long. How many pieces result?
39. You have 6 whole apples. You cut each into pieces that are $\frac{1}{12}$ of an apple. How many $\frac{1}{12}$ pieces do you have?
40. A classroom has 9 whole poster boards. Each poster board is divided into sections that are $\frac{1}{9}$ of a board. How many $\frac{1}{9}$ sections are there?
41. A pie is 1 whole. There are 6 pies. If each slice is $\frac{1}{6}$ of a pie, how many slices are there?
42. A yard of fabric is 1 whole yard. You have 4 whole yards. If pieces are $\frac{1}{10}$ yard each, how many pieces do you get?
43. A water tank contains 18 liters. You use a measuring cup of $\frac{1}{3}$ liter. How many $\frac{1}{3}$ -liter cups can you fill?
44. A pack of ribbon is 14 meters long. You cut it into $\frac{1}{7}$ -meter pieces. How many pieces do you get?
45. A chocolate cake is cut into pieces of size $\frac{1}{5}$ of a cake. If there are 6 whole cakes, how many pieces are there?
46. You have 2 whole meters of fabric. It's divided into $\frac{1}{2}$ -meter pieces. How many pieces?
47. A recipe needs $\frac{1}{10}$ cup of spice per cake. You have 3 cups of spice. How many cakes can you make?
48. A rope is 11 meters long. You cut it into pieces of length $\frac{1}{11}$ meter. How many pieces do you get?
49. A teacher has 13 whole posters. Each poster is divided into $\frac{1}{2}$ sections for display. How many $\frac{1}{2}$ sections total?
50. A long cable is 25 feet. You cut it into pieces of $\frac{1}{5}$ foot. How many $\frac{1}{5}$ -foot pieces are there?