

Dividing Unit Fractions

Grade 5 • MATH • Dividing unit fractions by whole numbers and whole numbers by unit fractions with visual models • Standards: 5.NF.B.7

Draw a visual model for each problem, then solve. Show your work and write your answer as a fraction in simplest form.

1. $\frac{1}{2} \div 2 = ?$

2. $\frac{1}{3} \div 3 = ?$

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

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

5. $\frac{1}{5} \div 4 = ?$

6. $3 \div \frac{1}{3} = ?$

7. $\frac{1}{6} \div 2 = ?$

8. $4 \div \frac{1}{2} = ?$

9. $\frac{1}{8} \div 3 = ?$

10. $5 \div \frac{1}{4} = ?$

11. $\frac{1}{10} \div 5 = ?$

12. $6 \div \frac{1}{5} = ?$

Answer Key — Dividing Unit Fractions

For the teacher / parent. Do not distribute with the worksheet.

1. $\frac{1}{4}$ (Divide $\frac{1}{2}$ into 2 equal parts)
2. $\frac{1}{9}$ (Divide $\frac{1}{3}$ into 3 equal parts)
3. $\frac{1}{8}$ (Divide $\frac{1}{4}$ into 2 equal parts)
4. 4 (How many halves are in 2 wholes)
5. $\frac{1}{20}$ (Divide $\frac{1}{5}$ into 4 equal parts)
6. 9 (How many thirds are in 3 wholes)
7. $\frac{1}{12}$ (Divide $\frac{1}{6}$ into 2 equal parts)
8. 8 (How many halves are in 4 wholes)
9. $\frac{1}{24}$ (Divide $\frac{1}{8}$ into 3 equal parts)
10. 20 (How many fourths are in 5 wholes)
11. $\frac{1}{50}$ (Divide $\frac{1}{10}$ into 5 equal parts)
12. 30 (How many fifths are in 6 wholes)