Dividing with fractions worksheet

5th grade math · Number & Operations—Fractions · 5.NF.B.7

Name _____ Date _____

For grown-ups: 12 dividing with fractions problems, easier ones first. Let your child try each one alone, then check together with the answer key on page 2. A ? marks the missing number or symbol.

1. **1/5 ÷ 2 = ? (write as a fraction)**

Answer: _____

2. **1/4 ÷ 2 = ? (write as a fraction)**

Answer: _____

3. **1/2 ÷ 4 = ? (write as a fraction)**

Answer: _____

4. **3 ÷ 1/5 = ?**

Answer: _____

5. **5 ÷ 1/8 = ?**

Answer: _____

6. **5 ÷ 1/3 = ?**

Answer: _____

7. **7 ÷ 1/2 = ?**

Answer: _____

8. **5 ÷ 1/5 = ?**

Answer: _____

9. **9 ÷ 1/5 = ?**

Answer: _____

10. **5 ÷ 1/2 = ?**

Answer: _____

11. **8 ÷ 1/2 = ?**

Answer: _____

12. **3 ÷ 1/8 = ?**

Answer: _____

Answer key: Dividing with fractions

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1. **1/10**
   Splitting 1/5 into 2 equal parts gives pieces of 1/10.
2. **1/8**
   Splitting 1/4 into 2 equal parts gives pieces of 1/8.
3. **1/8**
   Splitting 1/2 into 4 equal parts gives pieces of 1/8.
4. **15**
   How many pieces of size 1/5 fit in 3? Each whole has 5, so 3 × 5 = 15.
5. **40**
   How many pieces of size 1/8 fit in 5? Each whole has 8, so 5 × 8 = 40.
6. **15**
   How many pieces of size 1/3 fit in 5? Each whole has 3, so 5 × 3 = 15.
7. **14**
   How many pieces of size 1/2 fit in 7? Each whole has 2, so 7 × 2 = 14.
8. **25**
   How many pieces of size 1/5 fit in 5? Each whole has 5, so 5 × 5 = 25.
9. **45**
   How many pieces of size 1/5 fit in 9? Each whole has 5, so 9 × 5 = 45.
10. **10**
    How many pieces of size 1/2 fit in 5? Each whole has 2, so 5 × 2 = 10.
11. **16**
    How many pieces of size 1/2 fit in 8? Each whole has 2, so 8 × 2 = 16.
12. **24**
    How many pieces of size 1/8 fit in 3? Each whole has 8, so 3 × 8 = 24.