Multiplying fractions worksheet

5th grade math · Number & Operations—Fractions · 5.NF.B.4

Name _____ Date _____

For grown-ups: 12 multiplying 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. **7 × 2/4 = ? (simplest form)**

   Answer: _____

2. **9 × 3/5 = ? (simplest form)**

   Answer: _____

3. **2 × 2/3 = ? (simplest form)**

   Answer: _____

4. **6 × 2/4 = ? (simplest form)**

   Answer: _____

5. **1/4 × 2/8 = ? (simplest form)**

   Answer: _____

6. **2/4 × 4/8 = ? (simplest form)**

   Answer: _____

7. **5/6 × 1/8 = ? (simplest form)**

   Answer: _____

8. **1/2 × 3/4 = ? (simplest form)**

   Answer: _____

9. **3/5 × 2/6 = ? (simplest form)**

   Answer: _____

10. **1/2 × 2/5 = ? (simplest form)**

    Answer: _____

11. **1/2 × 3/8 = ? (simplest form)**

    Answer: _____

12. **3/4 × 2/4 = ? (simplest form)**

    Answer: _____

Answer key: Multiplying fractions

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1. **3 1/2**
   7 × 2 = 14, so the answer is 14/4, which is 3 1/2 in simplest form.
2. **5 2/5**
   9 × 3 = 27, so the answer is 27/5, which is 5 2/5 in simplest form.
3. **1 1/3**
   2 × 2 = 4, so the answer is 4/3, which is 1 1/3 in simplest form.
4. **3**
   6 × 2 = 12, so the answer is 12/4, which is 3 in simplest form.
5. **1/16**
   Multiply tops: 1 × 2 = 2. Multiply bottoms: 4 × 8 = 32. That gives 2/32, which simplifies to 1/16.
6. **1/4**
   Multiply tops: 2 × 4 = 8. Multiply bottoms: 4 × 8 = 32. That gives 8/32, which simplifies to 1/4.
7. **5/48**
   Multiply tops: 5 × 1 = 5. Multiply bottoms: 6 × 8 = 48. That gives 5/48.
8. **3/8**
   Multiply tops: 1 × 3 = 3. Multiply bottoms: 2 × 4 = 8. That gives 3/8.
9. **1/5**
   Multiply tops: 3 × 2 = 6. Multiply bottoms: 5 × 6 = 30. That gives 6/30, which simplifies to 1/5.
10. **1/5**
    Multiply tops: 1 × 2 = 2. Multiply bottoms: 2 × 5 = 10. That gives 2/10, which simplifies to 1/5.
11. **3/16**
    Multiply tops: 1 × 3 = 3. Multiply bottoms: 2 × 8 = 16. That gives 3/16.
12. **3/8**
    Multiply tops: 3 × 2 = 6. Multiply bottoms: 4 × 4 = 16. That gives 6/16, which simplifies to 3/8.