Equivalent fractions worksheet

4th grade math · Number & Operations—Fractions · 4.NF.A.1

Name _____ Date _____

For grown-ups: 10 equivalent fractions problems, easier ones first. Let your child try each one alone, then check together with the answer key on page 2. Circle one answer where there are choices.

1. **Which fraction is equivalent to 1/2?**



○ **2/4** ○ **2/5** ○ **3/4**

2. **1/3 = ?/9**

Answer: _____

3. **2/4 = ?/12**

Answer: _____

4. **2/5 = ?/15**

Answer: _____

5. **2/3 = ?/9**

Answer: _____

6. **1/3 = ?/6**

Answer: _____

7. **Which fraction is equivalent to 1/4?**



○ **5/21** ○ **5/20** ○ **6/20** ○ **6/9**

8. **Which fraction is equivalent to 1/5?**



○ **3/7** ○ **2/10** ○ **2/11** ○ **3/10**

9. **Which fraction is equivalent to 3/4?**



○ **18/25** ○ **18/24** ○ **19/24** ○ **9/10**

10. **Which fraction is equivalent to 3/5?**



○ **18/30** ○ **9/11** ○ **18/31** ○ **19/30**

Answer key: Equivalent fractions

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1. **2/4**
   2/4 = 1/2 because both parts were multiplied by 2.
2. **3**
   Multiply top and bottom by 3: 1 × 3 = 3, 3 × 3 = 9. So 1/3 = 3/9.
3. **6**
   Multiply top and bottom by 3: 2 × 3 = 6, 4 × 3 = 12. So 2/4 = 6/12.
4. **6**
   Multiply top and bottom by 3: 2 × 3 = 6, 5 × 3 = 15. So 2/5 = 6/15.
5. **6**
   Multiply top and bottom by 3: 2 × 3 = 6, 3 × 3 = 9. So 2/3 = 6/9.
6. **2**
   Multiply top and bottom by 2: 1 × 2 = 2, 3 × 2 = 6. So 1/3 = 2/6.
7. **5/20**
   5/20 = 1/4 because both parts were multiplied by 5.
8. **2/10**
   2/10 = 1/5 because both parts were multiplied by 2.
9. **18/24**
   18/24 = 3/4 because both parts were multiplied by 6.
10. **18/30**
    18/30 = 3/5 because both parts were multiplied by 6.