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# Equivalent Fraction Worksheet Answer Key PDF

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## Part 1: Building a Foundation

**Which of the following fractions is equivalent to 1/2?**

undefined. A) 2/3

**undefined. C) 2/4** ✓

undefined. D) 3/5

undefined. C) 3/4

The correct answer is 2/4, as it simplifies to 1/2.

**Select all fractions that are equivalent to 3/6.**

**undefined. A) 1/2** ✓

undefined. C) 3/9

**undefined. D) 6/12** ✓

**undefined. C) 2/4** ✓

The correct answers are 1/2, 2/4, and 6/12.

**Explain in your own words what it means for two fractions to be equivalent.**

**Two fractions are equivalent if they represent the same value or proportion.**

**List two fractions equivalent to 4/8.**

1. First equivalent fraction:

**1/2**

2. Second equivalent fraction:

**2/4**

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Two equivalent fractions could be 1/2 and 2/4.

**What is the simplest form of the fraction 8/12?**

**undefined.  A) 2/3 ✓**

undefined.  C) 4/6

undefined.  D) 1/2

undefined.  C) 3/4

The simplest form of 8/12 is 2/3.

## Part 2: Understanding and Application

**If you multiply the numerator and denominator of 5/7 by 3, what is the resulting fraction?**

**undefined.  A) 15/21 ✓**

undefined.  C) 8/11

undefined.  D) 5/21

undefined.  C) 10/14

The resulting fraction is 15/21.

**Which of the following statements are true about equivalent fractions?**

undefined.  A) They have different decimal values.

**undefined.  C) They can be simplified to the same fraction. ✓**

undefined.  D) They have different numerators and denominators.

**undefined.  C) They represent the same point on a number line. ✓**

The true statements are B) They represent the same point on a number line and C) They can be simplified to the same fraction.

**Describe how you would use a number line to show that 1/3 and 2/6 are equivalent.**

**You would show that both fractions land on the same point on the number line.**

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**You have a recipe that calls for 3/4 cup of sugar. If you only have a 1/2 cup measuring cup, how many 1/2 cups do you need to use to get the equivalent amount of sugar?**

undefined. A) 1

undefined. C) 2

undefined. D) 3

**undefined. C) 1.5 ✓**

You need to use 1.5 of the 1/2 cups to equal 3/4 cup.

## Part 3: Analysis, Evaluation, and Creation

**Which fraction is NOT equivalent to 6/9?**

undefined. A) 2/3

undefined. C) 4/6

**undefined. D) 3/5 ✓**

undefined. C) 12/18

The fraction that is NOT equivalent to 6/9 is 3/5.

**Which of the following pairs of fractions are equivalent?**

**undefined. A) 7/14 and 1/2 ✓**

**undefined. C) 5/10 and 3/6 ✓**

**undefined. D) 8/16 and 1/2 ✓**

**undefined. C) 9/12 and 3/4 ✓**

The equivalent pairs are A) 7/14 and 1/2, B) 9/12 and 3/4, and D) 8/16 and 1/2.

**Analyze the fractions 2/5 and 4/10. Are they equivalent? Justify your answer with calculations.**

**2/5 is not equivalent to 4/10, as 4/10 simplifies to 2/5.**

**Which of the following strategies is best for finding equivalent fractions?**

undefined. A) Adding the same number to the numerator and denominator

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undefined. C) Subtract the same number from the numerator and denominator

undefined. D) Dividing the numerator and denominator by different numbers

**undefined. C) Multiplying the numerator and denominator by the same number ✓**

The best strategy is B) Multiplying the numerator and denominator by the same number.

**Evaluate the following scenarios and select the ones where equivalent fractions are correctly used.**

**undefined. A) 3/9 = 1/3 ✓**

undefined. C) 4/8 = 2/5

undefined. D) 5/15 = 1/3

**undefined. C) 6/12 = 1/2 ✓**

The correct scenarios are A) 3/9 = 1/3 and D) 6/12 = 1/2.

**Create a real-world problem that involves finding equivalent fractions, and provide a solution to your problem.**

**An example could be a recipe that requires adjusting measurements.**

**Given the fraction 7/14, create two different equivalent fractions and explain the process you used to find them.**

1. First equivalent fraction:

**1/2**

2. Second equivalent fraction:

**14/28**

Two equivalent fractions could be 1/2 and 14/28, found by simplifying or scaling.

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