



# Practice Worksheet on Fractions

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Subject: Mathematics

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## Long Answer Questions

1. Explain how to find equivalent fractions. Provide examples.
2. Explain the process of simplifying fractions. Give examples.
3. Explain how to add and subtract fractions with like denominators. Provide examples.
4. Explain the process of adding and subtracting fractions with unlike denominators. Provide examples.
5. Explain how to multiply fractions. Give examples.
6. Explain how to divide fractions. Provide examples.
7. Explain the difference between mixed numbers and improper fractions. Give examples of how to convert between them.

8. Explain how to compare fractions and determine which is larger. Provide examples.

## Multiple Choice Questions

1. Which of the following is equivalent to  $\frac{1}{2}$ ?

- a)  $\frac{1}{2}$
- b)  $\frac{2}{4}$
- c)  $\frac{3}{6}$
- d)  $\frac{4}{8}$

2. What is the simplified form of  $\frac{2}{4}$ ?

- a)  $\frac{1}{4}$
- b)  $\frac{1}{2}$
- c)  $\frac{3}{4}$
- d) 1

3. What is  $\frac{1}{6} + 1$ ?

- a)  $\frac{1}{2}$
- b)  $\frac{7}{6}$
- c)  $\frac{13}{6}$
- d) 1

4. What is  $\frac{2}{3} + \frac{1}{6}$ ?

- a)  $\frac{1}{6}$
- b)  $\frac{5}{6}$
- c)  $\frac{7}{6}$
- d) 1

5. What is  $\frac{1}{2} * \frac{1}{3}$ ?

- a)  $\frac{1}{6}$
- b)  $\frac{2}{3}$
- c)  $\frac{1}{2}$
- d) 1

6. What is  $\frac{1}{2} \div \frac{1}{3}$ ?

- a)  $\frac{1}{2}$
- b)  $\frac{3}{2}$
- c)  $\frac{2}{3}$
- d) 3

7. What is  $1\frac{1}{2}$  called?

- a) Improper fraction
- b) Mixed number
- c) Equivalent fraction
- d) Simplified fraction

8. Which is bigger,  $\frac{2}{3}$  or  $\frac{3}{4}$ ?

- a)  $\frac{2}{3}$
- b)  $\frac{3}{4}$
- c)  $\frac{1}{2}$
- d)  $\frac{1}{4}$

# Answer Key

## Long Answer Questions - Expected Responses

1. Explain how to find equivalent fractions. Provide examples.

Expected Answer: To find an equivalent fraction, multiply or divide both the numerator and the denominator by the same non-zero number.

2. Explain the process of simplifying fractions. Give examples.

Expected Answer: To simplify a fraction, find the greatest common factor (GCF) of the numerator and denominator and divide both by the GCF.

3. Explain how to add and subtract fractions with like denominators. Provide examples.

Expected Answer: To add or subtract fractions with the same denominator, add or subtract the numerators and keep the denominator the same.

4. Explain the process of adding and subtracting fractions with unlike denominators. Provide examples.

Expected Answer: To add or subtract fractions with unlike denominators, find a common denominator, convert the fractions to equivalent fractions with the common denominator, and then add or subtract the numerators.

5. Explain how to multiply fractions. Give examples.

Expected Answer: To multiply fractions, multiply the numerators together and multiply the denominators together. Simplify if necessary.

6. Explain how to divide fractions. Provide examples.

Expected Answer: To divide fractions, multiply the first fraction by the reciprocal of the second fraction. Simplify if necessary.

7. Explain the difference between mixed numbers and improper fractions. Give examples of how to convert between them.

Expected Answer: A mixed number is a whole number and a proper fraction combined. An improper fraction has a numerator greater than or equal to the denominator.

8. Explain how to compare fractions and determine which is larger. Provide examples.

Expected Answer: To compare fractions, find a common denominator and compare the numerators. The fraction with the larger numerator is the larger fraction.

## Multiple Choice Questions - Correct Answers

1. Which of the following is equivalent to  $\frac{1}{2}$ ?

Correct Answer:  $\frac{2}{4}$

2. What is the simplified form of  $\frac{2}{4}$ ?

Correct Answer:  $\frac{1}{2}$

3. What is  $\frac{1}{6} + 1$ ?

Correct Answer:  $\frac{7}{6}$

4. What is  $\frac{2}{3} + \frac{1}{6}$ ?

Correct Answer:  $\frac{5}{6}$

5. What is  $\frac{1}{2} * \frac{1}{3}$ ?

Correct Answer:  $\frac{1}{6}$

6. What is  $\frac{1}{2} / \frac{1}{3}$ ?

Correct Answer:  $\frac{3}{2}$

7. What is  $1\frac{1}{2}$  called?

Correct Answer: Mixed number

8. Which is bigger,  $\frac{2}{3}$  or  $\frac{3}{4}$ ?

Correct Answer:  $\frac{3}{4}$