Fractional Units as Parts of a Whole

A. Choose the Correct Answer:

1. Which of the following fractions represents one part out of ten?

a) $\frac{1}{2}$ b) $\frac{1}{5}$

c) $\frac{1}{10}$ d) $\frac{1}{4}$

2. If a paper is folded into 8 equal parts and 3 parts are shaded, the shaded portion is:

a) $\frac{3}{8}$ b) $\frac{5}{8}$

c) $\frac{3}{10}$ d) $\frac{8}{3}$

3. What does the fraction $\frac{5}{5}$ represent?

a) Half b) Equal parts

c) Whole d) Zero

4. In the fraction $\frac{7}{9}$, 9 tells us:

a) Number of parts shaded b) Total number of equal parts

c) Number of parts removed d) Value of the whole

5. A circle divided into 2 equal parts has what fractional value for one part?

a) $\frac{1}{4}$ b) $\frac{1}{3}$

c) $\frac{1}{2}$ d) $\frac{2}{2}$

B. Write the Missing Terms to Complete the Sentences:

1. A whole can be divided into _____ number of equal fractional parts.
2. The fraction $\frac{4}{6}$ means 4 parts taken out of _____ equal parts.
3. The _____ of a fraction shows how many equal parts make the whole.
4. $\frac{6}{6}$ of a chocolate means the _____ chocolate is present.
5. If $\frac{1}{3}$ of a rope is cut, _____ of the rope is left.

C. Figure out the answers to these questions:

1. Shade $\frac{2}{5}$ of a rectangle divided into 5 equal parts.
2. Describe a real-world example where you use $\frac{1}{3}$ of an object.
3. Write two examples where the whole is divided into 6 equal parts.

4. Draw a circle and show $\frac{3}{4}$ of it shaded. What part is unshaded?
5. Arrange the following fractions in increasing order: $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \frac{1}{3}$
6. A chocolate is broken into 10 equal parts. How many parts make $\frac{3}{5}$ of it?
7. Write a short story involving someone using $\frac{1}{2}$ or $\frac{3}{4}$ of something (e.g., a drink, a book).
8. Use a number line to show the fractions 0, $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$, and 1.

D. Mark each sentence with a True (✓) or False (✗):

1. $\frac{2}{2}$ represents one whole. ☐
2. In the fraction $\frac{4}{7}$, the numerator is 7. ☐
3. Fractional units can never be greater than one. ☐
4. A whole can be split into as many equal parts as we want. ☐
5. The more parts a whole is divided into, the smaller each part becomes. ☐

E. Challenge yourself with these questions:

1. Divide a pizza into 8 slices. If 5 are eaten, what fraction remains?
2. A ribbon is 1 meter long. If you use $\frac{3}{4}$ of it, how much do you have left?
3. If a bar of soap is cut into 4 equal pieces, how many pieces make $\frac{3}{4}$?
4. Name five objects around you that can be divided into equal fractional parts.
5. Explain how you would divide a bar of chocolate among 5 friends equally.
6. Create a small comic strip (3 frames) showing fractional use in daily life.
7. Write and solve a word problem where someone eats $\frac{2}{3}$ of a sandwich.
8. If a water tank is filled up to $\frac{3}{6}$ of its capacity, what fraction is empty?
9. Compare the following using <, >, or = $\frac{2}{4}$ and $\frac{1}{2}$
10. Draw a rectangle, divide it into 10 parts, and shade 7 parts. Write the shaded and unshaded fraction.