

CBSE CLASS 4 MATHS – FRACTIONS

Worksheet 1: Understanding Fractions*Practice worksheet with answer key*

Name: _____

Date: _____

Remember: A fraction is a part of a whole. The whole must be divided into EQUAL parts.

Numerator (top number) = parts taken or shaded. Denominator (bottom number) = total equal parts.

Example: $\frac{3}{8}$ means 3 parts out of 8 equal parts.**Section A: Multiple Choice Questions***Choose the correct option and write its letter.*1. In the fraction $\frac{3}{5}$, the numerator is:

- (a) 5 (b) 3 (c) 8 (d) 2

2. In the fraction $\frac{7}{9}$, the denominator is:

- (a) 7 (b) 16 (c) 9 (d) 2

3. The denominator of a fraction tells us:

- (a) the total number of equal parts in the whole
 (b) the number of parts we have taken
 (c) the colour of the parts
 (d) the size of the shape

4. What fraction of the bar is shaded?



- (a) $\frac{3}{5}$ (b) $\frac{5}{8}$ (c) $\frac{8}{3}$ (d) $\frac{3}{8}$

5. What fraction of the circle is shaded?



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

6. Which fraction shows 'one half'?

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

7. Which fraction shows 4 out of 9 equal parts?

- (a) $\frac{4}{9}$ (b) $\frac{9}{4}$ (c) 13 (d) $\frac{5}{9}$

8. A pizza is cut into 8 equal slices. Riya eats 3 slices. What fraction of the pizza did she eat?

- (a) $\frac{8}{3}$ (b) $\frac{5}{8}$ (c) $\frac{3}{5}$ (d) $\frac{3}{8}$

9. Which fraction has numerator 6 and denominator 11?

- (a) $\frac{11}{6}$ (b) $\frac{6}{11}$ (c) $\frac{5}{11}$ (d) 17

10. What fraction of the bar is NOT shaded?



- (a) $\frac{6}{10}$ (b) $\frac{10}{4}$ (c) $\frac{4}{10}$ (d) $\frac{4}{6}$

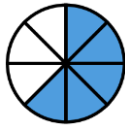
Section B: Fill in the Blanks

Write the correct answer in the blank.

1. In the fraction $\frac{5}{8}$, the number 5 is the _____.
2. In the fraction $\frac{5}{8}$, the number 8 is the _____.
3. The top number of a fraction is called the _____.
4. A shape has 7 equal parts and 2 parts are coloured. The coloured part is written as _____.



5. The fraction shaded in the bar is _____.
6. If a whole is divided into 4 equal parts, each part is _____ of the whole.
7. The denominator of $\frac{3}{10}$ is _____.



8. The circle has _____ of the whole shaded.
9. $\frac{1}{2}$ is read as "one _____".
10. The denominator of a fraction can never be _____.

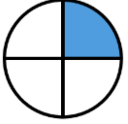
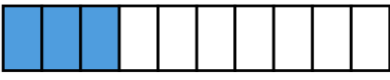
Section C: True or False

Write True or False.

1. In the fraction $\frac{4}{7}$, the numerator is 7. (True / False)
2. The denominator shows the total number of equal parts. (True / False)
3. $\frac{3}{8}$ means 3 parts out of 8 equal parts. (True / False)
4. A fraction can have 0 as its denominator. (True / False)
5. $\frac{1}{4}$ is read as "one fourth" or "one quarter". (True / False)
6. If 3 out of 5 equal parts are shaded, the fraction is $\frac{5}{3}$. (True / False)
7. In the fraction $\frac{9}{10}$, the number 10 is the denominator. (True / False)
8. The parts of a whole need not be equal to write a fraction. (True / False)
9. If a chapati is folded into 2 equal parts and 1 part is eaten, $\frac{1}{2}$ of it is eaten. (True / False)
10. In the fraction $\frac{2}{6}$, the numerator is greater than the denominator. (True / False)

Section D: Match the Following

Match Column A with Column B. Write the letter of the correct answer next to each number.

Column A	
1. Numerator of $\frac{5}{9}$	Ans: _____
2. Denominator of $\frac{5}{9}$	Ans: _____
3. One half	Ans: _____
4. 3 out of 4 equal parts	Ans: _____
5. Two-thirds	Ans: _____
6. 	Ans: _____
7. 	Ans: _____
8. 	Ans: _____
9. Numerator 4, denominator 7	Ans: _____
10. 1 part out of 6 equal parts	Ans: _____

Column B
A. $\frac{3}{10}$
B. 5
C. $\frac{2}{3}$
D. $\frac{1}{6}$
E. 9
F. $\frac{7}{8}$
G. $\frac{1}{4}$
H. $\frac{4}{7}$
I. $\frac{3}{4}$
J. $\frac{1}{2}$

Answer Key – Worksheet 1: Understanding Fractions

Section A: Multiple Choice Questions

- | | |
|---|------------------------|
| 1. (b) 3 | 6. (c) $\frac{1}{2}$ |
| 2. (c) 9 | 7. (a) $\frac{4}{9}$ |
| 3. (a) the total number of equal parts in the whole | 8. (d) $\frac{3}{8}$ |
| 4. (d) $\frac{3}{8}$ | 9. (b) $\frac{6}{11}$ |
| 5. (b) $\frac{5}{6}$ | 10. (c) $\frac{4}{10}$ |

Section B: Fill in the Blanks

- | | |
|------------------|------------------|
| 1. numerator | 6. $\frac{1}{4}$ |
| 2. denominator | 7. 10 |
| 3. numerator | 8. $\frac{5}{8}$ |
| 4. $\frac{2}{7}$ | 9. half |
| 5. $\frac{2}{5}$ | 10. zero (0) |

Section C: True or False

- False** – The numerator is 4; 7 is the denominator.
- True**
- True**
- False** – A denominator can never be 0.
- True**
- False** – It is $\frac{3}{5}$ (shaded parts on top, total parts at the bottom).
- True**
- False** – The parts must be equal.
- True**
- False** – 2 is smaller than 6.

Section D: Match the Following

- | | |
|-------------------------|--------------------------|
| 1 → B (5) | 6 → G ($\frac{1}{4}$) |
| 2 → E (9) | 7 → A ($\frac{3}{10}$) |
| 3 → J ($\frac{1}{2}$) | 8 → F ($\frac{7}{8}$) |
| 4 → I ($\frac{3}{4}$) | 9 → H ($\frac{4}{7}$) |
| 5 → C ($\frac{2}{3}$) | 10 → D ($\frac{1}{6}$) |