

Class 6 Maths**Fractions****Worksheet 3 – Comparing & Ordering Fractions****SECTION A – MCQs**

1. Which is greater?

a $\frac{2}{5}$

b $\frac{3}{5}$

c Equal

d Cannot say

2. Which is smaller?

a $\frac{5}{8}$

b $\frac{7}{8}$

c Equal

d None

3. Arrange in ascending order:

$\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$

a $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$

b $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$

c $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$

d $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$

4. Which is greater?

a $\frac{2}{3}$

b $\frac{3}{4}$

c Equal

d Cannot say

5. Which fraction is the largest?

a $\frac{1}{6}$

b $\frac{2}{6}$

c $\frac{5}{6}$

d $\frac{3}{6}$

6. Which is greater?

a $\frac{4}{7}$

b $\frac{5}{7}$

c Equal

d None

7. Arrange in descending order:

$1/3$, $2/3$, $5/6$

a $5/6$, $2/3$, $1/3$

b $1/3$, $2/3$, $5/6$

c $2/3$, $1/3$, $5/6$

d $5/6$, $1/3$, $2/3$

8. Which is greater?

a $7/10$

b $3/5$

c Equal

d None

9. Which is the smallest fraction?

a $2/9$

b $5/9$

c $7/9$

d $8/9$

10. Which is greater?

a $5/12$

b $7/12$

c Equal

d None

SECTION B – Fill in the Blanks

1. $5/8$ is _____ than $3/8$.

2. Fractions with same denominator are compared using the _____.

3. $1/2 =$ _____/8

4. The greater fraction between $2/3$ and $3/5$ is _____.

5. Ascending order means smallest to _____.

SECTION C – True or False

1. $3/4 > 2/4$. _____

2. $1/2 < 1/3$. _____
 3. Fractions must have same denominator for comparison.

 4. $5/6 > 2/3$. _____
 5. Descending order means largest to smallest. _____
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SECTION D – Short Answer Questions

1. Compare $3/5$ and $4/5$.
 2. Compare $2/3$ and $3/4$.
 3. Arrange in ascending order:
 $2/5, 1/5, 4/5$
 4. Arrange in descending order:
 $1/2, 3/4, 1/4$
 5. Compare $5/6$ and $7/12$.
 6. Arrange in ascending order:
 $1/3, 2/9, 5/9$
 7. Compare $4/7$ and $3/5$.
 8. Arrange in descending order:
 $2/3, 5/6, 1/6$
 9. Compare $7/8$ and $5/8$.
 10. Arrange in ascending order:
 $3/10, 7/10, 1/10$
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ANSWERS WITH DETAILED SOLUTIONS**SECTION A – MCQ Answers**

1. **b $\frac{3}{5}$**
2. **a $\frac{5}{8}$**
3. **a $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$**
4. **b $\frac{3}{4}$**
5. **c $\frac{5}{6}$**
6. **b $\frac{5}{7}$**
7. **a $\frac{5}{6}$, $\frac{2}{3}$, $\frac{1}{3}$**
8. **a $\frac{7}{10}$**
9. **a $\frac{2}{9}$**
10. **b $\frac{7}{12}$**

SECTION B – Fill in the Blanks

1. $\frac{5}{8}$ is **greater** than $\frac{3}{8}$.
2. Fractions with same denominator are compared using the **numerator**.
3. $\frac{1}{2} = \frac{4}{8}$
4. The greater fraction between $\frac{2}{3}$ and $\frac{3}{5}$ is **$\frac{2}{3}$** .
5. Ascending order means **smallest to largest**.

SECTION C – True or False

1. $\frac{3}{4} > \frac{2}{4} \rightarrow$ **True**
2. $\frac{1}{2} < \frac{1}{3} \rightarrow$ **False**
 $\frac{1}{2}$ is greater than $\frac{1}{3}$
3. Fractions must have same denominator for comparison $\rightarrow$ **False**
We can make denominators same using LCM.
4. $\frac{5}{6} > \frac{2}{3} \rightarrow$ **True**

5. Descending order means largest to smallest → True**SECTION D – Short Answer Solutions****1. Compare $\frac{3}{5}$ and $\frac{4}{5}$**

Denominators are same.

Compare numerators:

$$4 > 3$$

$$\text{So, } \frac{4}{5} > \frac{3}{5}$$

2. Compare $\frac{2}{3}$ and $\frac{3}{4}$

LCM of 3 and 4 = 12

$$\frac{2}{3} = \frac{8}{12}$$

$$\frac{3}{4} = \frac{9}{12}$$

Since $\frac{9}{12} > \frac{8}{12}$,

$$\frac{3}{4} > \frac{2}{3}$$

3. Arrange in ascending order

$\frac{2}{5}$, $\frac{1}{5}$, $\frac{4}{5}$

Same denominator → compare numerators.

$$\frac{1}{5} < \frac{2}{5} < \frac{4}{5}$$

4. Arrange in descending order

$\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{4}$

Convert into same denominator:

$$\frac{1}{2} = \frac{2}{4}$$

Now compare:

$\frac{3}{4}$, $\frac{2}{4}$, $\frac{1}{4}$

Descending order:

$$\frac{3}{4} > \frac{1}{2} > \frac{1}{4}$$

5. Compare $\frac{5}{6}$ and $\frac{7}{12}$

LCM of 6 and 12 = 12

$$\frac{5}{6} = \frac{10}{12}$$

Compare:

$$\frac{10}{12} > \frac{7}{12}$$

So,

$$\frac{5}{6} > \frac{7}{12}$$

6. Arrange in ascending order

$\frac{1}{3}$, $\frac{2}{9}$, $\frac{5}{9}$

LCM of 3 and 9 = 9

$$1/3 = 3/9$$

Now compare:

$$2/9, 3/9, 5/9$$

Ascending order:

$$2/9 < 1/3 < 5/9$$

7. Compare $4/7$ and $3/5$

LCM of 7 and 5 = 35

$$4/7 = 20/35$$

$$3/5 = 21/35$$

Since $21/35 > 20/35$,

$$3/5 > 4/7$$

8. Arrange in descending order

$$2/3, 5/6, 1/6$$

Convert into denominator 6:

$$2/3 = 4/6$$

Now compare:

$\frac{5}{6}, \frac{4}{6}, \frac{1}{6}$

Descending order:

$$\frac{5}{6} > \frac{2}{3} > \frac{1}{6}$$

9. Compare $\frac{7}{8}$ and $\frac{5}{8}$

Same denominator.

Compare numerators:

$$7 > 5$$

So,

$$\frac{7}{8} > \frac{5}{8}$$

10. Arrange in ascending order

$\frac{3}{10}, \frac{7}{10}, \frac{1}{10}$

Same denominator → compare numerators.

$$\frac{1}{10} < \frac{3}{10} < \frac{7}{10}$$

SECTION E – Word Problem Solutions

1.

Riya drank $\frac{3}{5}$ litre milk and Ravi drank $\frac{2}{5}$ litre.

Compare numerators:

$$\frac{3}{5} > \frac{2}{5}$$

Answer: Riya drank more milk.

2.

A ribbon pieces are:

$$\frac{1}{2}, \frac{3}{4}, \frac{1}{4}$$

Ascending order:

$$\frac{1}{4} < \frac{1}{2} < \frac{3}{4}$$

3.

Compare pizza eaten:

$$\text{Aman} \rightarrow \frac{5}{8}$$

$$\text{Rohit} \rightarrow \frac{3}{8}$$

$$\frac{5}{8} > \frac{3}{8}$$

Answer: Aman ate more pizza.

4.

Arrange distances:

$$\frac{1}{6}, \frac{2}{3}, \frac{5}{6}$$

Ascending order:

$$1/6 < 2/3 < 5/6$$

5.

Compare water levels:

$$7/10, 3/5$$

$$3/5 = 6/10$$

$$7/10 > 6/10$$

Answer: First tank has more water.

6.

Books read:

$$2/7, 5/7$$

$$5/7 > 2/7$$

Answer: Second student read more.

7.

Arrange heights:

$$1/4, 3/4, 1/2$$

Convert:

$$1/2 = 2/4$$

Ascending order:

$$1/4 < 1/2 < 3/4$$

8.

Compare cake eaten:

$$4/9, 7/9$$

$$7/9 > 4/9$$

Answer: Second child ate more cake.

9.

Compare:

$$5/6, 4/5$$

$$\text{LCM} = 30$$

$$5/6 = 25/30$$

$$4/5 = 24/30$$

$$25/30 > 24/30$$

Answer: 5/6 is greater.

10.

Arrange marks:

$$1/3, 2/3, 5/6$$

$$\text{LCM} = 6$$

$$1/3 = 2/6$$

$$2/3 = 4/6$$

Ascending order:

$$1/3 < 2/3 < 5/6$$