

Class 6 Maths**Fractions****Worksheet 1 – Conversion of Fractions****Topic: Mixed Fractions ↔ Improper Fractions****SECTION A – Multiple Choice Questions 1 Mark Each****Choose the correct answer.**

1. Convert $3\frac{2}{5}$ into an improper fraction.
a $11/5$
b $17/5$
c $13/5$
d $15/5$
2. Convert $17/4$ into a mixed fraction.
a $3\frac{1}{4}$
b $4\frac{1}{4}$
c $4\frac{3}{4}$
d $5\frac{1}{4}$
3. Which of the following is an improper fraction?
a $3/7$
b $5/9$
c $11/6$
d $2/5$
4. $4\frac{2}{3}$ as an improper fraction is:
a $12/3$
b $14/3$
c $10/3$
d $8/3$
5. Convert $22/5$ into mixed fraction.
a $2\frac{2}{5}$
b $3\frac{2}{5}$
c $4\frac{2}{5}$
d $5\frac{2}{5}$

6. Which fraction represents $3\frac{1}{2}$?

- a $\frac{5}{2}$
- b $\frac{7}{2}$
- c $\frac{6}{2}$
- d $\frac{8}{2}$

7. $\frac{19}{6}$ as a mixed fraction is:

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

8. Convert $5\frac{4}{7}$ into improper fraction.

- a $\frac{35}{7}$
- b $\frac{39}{7}$
- c $\frac{37}{7}$
- d $\frac{41}{7}$

9. Which mixed fraction is equal to $\frac{13}{3}$?

- a $4\frac{1}{3}$
- b $3\frac{1}{3}$
- c $5\frac{1}{3}$
- d $2\frac{1}{3}$

10. Improper fractions have numerator _____ denominator.

- a less than
- b equal to
- c greater than or equal to
- d smaller than or equal to

SECTION B – Fill in the Blanks

1. $\frac{15}{4}$ = _____ mixed fraction.
2. $3\frac{2}{9}$ _____ improper fraction.
3. In an improper fraction, numerator is _____ than denominator.
4. $\frac{27}{5}$ = _____ mixed fraction.
5. $6\frac{1}{3}$ _____ improper fraction.

SECTION C – True or False

1. $9/4$ is an improper fraction. _____
2. $2\frac{1}{2}$ is a proper fraction. _____
3. $14/7 = 2$. _____
4. Every mixed fraction can be written as an improper fraction. _____
5. $7/8$ can be converted into a mixed fraction. _____

SECTION D – Short Answer Questions 3 Marks Each

1. Convert $4\frac{3}{8}$ into improper fraction.
2. Convert $29/6$ into mixed fraction.
3. Convert $7\frac{5}{9}$ into improper fraction.
4. Convert $35/8$ into mixed fraction.
5. Convert $6\frac{7}{10}$ into improper fraction.
6. Convert $41/9$ into mixed fraction.
7. Convert $8\frac{2}{5}$ improper fraction.
8. Convert $5\frac{3}{7}$ into mixed fraction.
9. Write two improper fractions greater than 3.
10. Write two mixed fractions between 2 and 5.

SECTION E – Word Problems

1. A ribbon is $3\frac{1}{2}$ metres long. Express it as an improper fraction.
2. Rani drank $11/4$ litres of juice in a day. Express it as a mixed fraction.

3. A rope measuring $5\frac{2}{3}$ metres was cut. Convert its length into improper fraction.
 4. A tank contains $17/5$ litres of water. Express it as a mixed fraction.
 5. A cake weighs $4\frac{3}{4}$ kg. Convert it into improper fraction.
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ANSWERS WITH SOLUTIONS**SECTION A – Answers**

1. a
 2. b
 3. c
 4. b
 5. c
 6. b
 7. b
 8. b
 9. a
 10. c
-

SECTION B – Answers

1. $3\frac{3}{4}$
 2. 29/9
 3. greater
 4. $5\frac{2}{5}$
 5. 19/3
-

SECTION C – Answers

1. True
 2. False
 3. True
 4. True
 5. False
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SECTION D – Solutions**1. $35/8$**

2. $29/6$ $29 \div 6 = 4$ remainder 5**Answer = $4\frac{5}{6}$**

3. $68/9$

4. $35/8$ $35 \div 8 = 4$ remainder 3**Answer = $4\frac{3}{8}$**

5. Answer = $67/10$

6. Answer = $4\frac{5}{9}$

7. Answer = $42/5$

8. Answer = $7\frac{4}{7}$

9. Examples: $10/3, 13/4$

11. Examples: $2\frac{1}{2}, 4\frac{3}{5}$

SECTION E – Word Problem Solutions

1. $3 \frac{1}{2} \times 2 + 1 = 7$

Answer = $7/2$

2. $11 \div 4 = 2$ remainder 3

Answer = $2 \frac{3}{4}$

3. Answer = $17/3$

4. $17 \div 5 = 3$ remainder 2

Answer = $3 \frac{2}{5}$

5. Answer = $19/4$
