

CBSE CLASS 4 MATHS – FRACTIONS

Worksheet 8: Converting Fractions to Mixed Numbers*Practice worksheet with answer key*

Name: _____

Date: _____

Remember: An improper fraction has a numerator greater than or equal to its denominator, e.g. $\frac{7}{3}$.

Steps: divide the numerator by the denominator. Quotient = whole number, remainder = new numerator, denominator stays the same.

Example: $\frac{7}{3} \rightarrow 7 \div 3 = 2$ remainder 1, so $\frac{7}{3} = 2 \frac{1}{3}$.

Section A: Multiple Choice Questions

Choose the correct option and write its letter.

1. $\frac{7}{4}$ written as a mixed number is:
(a) $1 \frac{1}{4}$ (b) $1 \frac{3}{4}$ (c) $2 \frac{3}{4}$ (d) $4 \frac{1}{7}$
2. $\frac{9}{2}$ written as a mixed number is:
(a) $4 \frac{1}{9}$ (b) $5 \frac{1}{2}$ (c) $4 \frac{1}{2}$ (d) $2 \frac{1}{4}$
3. $\frac{11}{3}$ written as a mixed number is:
(a) $3 \frac{2}{3}$ (b) $3 \frac{1}{3}$ (c) $2 \frac{2}{3}$ (d) $4 \frac{2}{3}$
4. $\frac{13}{5}$ written as a mixed number is:
(a) $2 \frac{1}{5}$ (b) $3 \frac{3}{5}$ (c) $1 \frac{3}{5}$ (d) $2 \frac{3}{5}$
5. $\frac{17}{4}$ written as a mixed number is:
(a) $3 \frac{1}{4}$ (b) $4 \frac{1}{4}$ (c) $4 \frac{3}{4}$ (d) $5 \frac{1}{4}$
6. $\frac{10}{3}$ written as a mixed number is:
(a) $2 \frac{1}{3}$ (b) $3 \frac{2}{3}$ (c) $3 \frac{1}{3}$ (d) $10 \frac{1}{3}$
7. $\frac{19}{6}$ written as a mixed number is:
(a) $3 \frac{1}{6}$ (b) $3 \frac{5}{6}$ (c) $2 \frac{1}{6}$ (d) $4 \frac{1}{6}$
8. To change an improper fraction into a mixed number, we:
(a) multiply the numerator by the denominator
(b) add the numerator and the denominator
(c) divide the denominator by the numerator
(d) divide the numerator by the denominator; the quotient is the whole number and the remainder is the new numerator
9. $\frac{25}{8}$ written as a mixed number is:
(a) $3 \frac{3}{8}$ (b) $3 \frac{1}{8}$ (c) $2 \frac{1}{8}$ (d) $4 \frac{1}{8}$
10. $\frac{15}{7}$ written as a mixed number is:
(a) $2 \frac{2}{7}$ (b) $1 \frac{1}{7}$ (c) $2 \frac{1}{7}$ (d) $3 \frac{1}{7}$

Section B: Fill in the Blanks

Write the correct answer in the blank.

1. $5/2 =$ _____
2. $8/3 =$ _____
3. $11/4 =$ _____
4. $14/5 =$ _____
5. $13/6 =$ _____
6. $22/7 =$ _____
7. $17/8 =$ _____
8. $9/4 =$ _____
9. When we divide 19 by 5, the quotient is _____ and the remainder is _____.
10. $21/10 =$ _____

Section C: True or False

Write True or False.

1. $7/2 = 3 \frac{1}{2}$ (True / False)
2. $9/4 = 2 \frac{1}{4}$ (True / False)
3. $11/5 = 1 \frac{1}{5}$ (True / False)
4. While converting an improper fraction, the remainder becomes the numerator of the fraction part. (True / False)
5. $13/3 = 4 \frac{1}{3}$ (True / False)
6. $8/4$ equals the whole number 2. (True / False)
7. $15/4 = 3 \frac{1}{4}$ (True / False)
8. The denominator changes when we convert an improper fraction into a mixed number. (True / False)
9. $10/3 = 3 \frac{1}{3}$ (True / False)
10. $12/5 = 2 \frac{3}{5}$ (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	Column B
1. $\frac{3}{2}$ Ans: _____	A. $2\frac{9}{10}$
2. $\frac{7}{3}$ Ans: _____	B. $3\frac{1}{4}$
3. $\frac{9}{4}$ Ans: _____	C. $1\frac{1}{2}$
4. $\frac{11}{2}$ Ans: _____	D. $6\frac{1}{3}$
5. $\frac{13}{4}$ Ans: _____	E. $2\frac{1}{4}$
6. $\frac{17}{5}$ Ans: _____	F. $3\frac{5}{6}$
7. $\frac{19}{3}$ Ans: _____	G. $5\frac{1}{2}$
8. $\frac{23}{6}$ Ans: _____	H. $1\frac{3}{7}$
9. $\frac{10}{7}$ Ans: _____	I. $2\frac{1}{3}$
10. $\frac{29}{10}$ Ans: _____	J. $3\frac{2}{5}$

Answer Key – Worksheet 8: Converting Fractions to Mixed Numbers

Section A: Multiple Choice Questions

1. (b) $1 \frac{3}{4}$
2. (c) $4 \frac{1}{2}$
3. (a) $3 \frac{2}{3}$
4. (d) $2 \frac{3}{5}$
5. (b) $4 \frac{1}{4}$
6. (c) $3 \frac{1}{3}$
7. (a) $3 \frac{1}{6}$
8. (d) divide the numerator by the denominator; the quotient is the whole number and the remainder is the new numerator
9. (b) $3 \frac{1}{8}$
10. (c) $2 \frac{1}{7}$

Section B: Fill in the Blanks

1. $2 \frac{1}{2}$
2. $2 \frac{2}{3}$
3. $2 \frac{3}{4}$
4. $2 \frac{4}{5}$
5. $2 \frac{1}{6}$
6. $3 \frac{1}{7}$
7. $2 \frac{1}{8}$
8. $2 \frac{1}{4}$
9. 3 and 4 (so $19/5 = 3 \frac{4}{5}$)
10. $2 \frac{1}{10}$

Section C: True or False

1. True
2. True
3. False – $11 \div 5 = 2$ remainder 1, so $11/5 = 2 \frac{1}{5}$.
4. True
5. True
6. True
7. False – $15 \div 4 = 3$ remainder 3, so $15/4 = 3 \frac{3}{4}$.
8. False – The denominator stays the same.
9. True
10. False – $12 \div 5 = 2$ remainder 2, so $12/5 = 2 \frac{2}{5}$.

Section D: Match the Following

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