



11+ Fractions Worksheet — Mixed Ability

**Suitable for GL, Independent Schools, and
Grammar School Preparation**

SECTION A — Core Fraction Skills (1–6)

1. Simplify: $\frac{12}{16}$

2. Write an equivalent fraction to $\frac{3}{5}$

3. What is $\frac{1}{4}$ of 28?

4. Convert $\frac{7}{2}$ to a mixed number.

5. Convert $2\frac{1}{3}$ to an improper fraction.

5. Simplify: $\frac{18}{24}$

SECTION B — Fraction of Amount (7–10)

7. Find $\frac{3}{8}$ of 64.

8. Find $\frac{3}{8}$ of 45.

9. A number is reduced to $\frac{3}{8}$ of its original value and becomes 50. What was the original number?

10. What is $\frac{3}{8}$ of 75?

SECTION C — Fraction Operations (11–15)

11. Add: $\frac{2}{5} + \frac{1}{10}$

12. Subtract: $\frac{7}{8} - \frac{1}{4}$

13. Multiply: $\frac{3}{4} \times \frac{2}{3}$

14. Divide: $\frac{5}{6} \div \frac{1}{3}$

15. Add: $1\frac{2}{3} + 2\frac{1}{3}$.

SECTION D — Higher-Ability Reasoning (16–20)

16. A number is $\frac{3}{4}$ of 64. Then 12 is added. What is the final result?

17. A recipe uses $\frac{2}{3}$ cup of sugar. How much sugar is needed for 4 batches?

18. A class has 30 students. $\frac{2}{5}$ are boys. How many are girls?

19. A shape is shaded $\frac{7}{12}$. What fraction is unshaded?

20. A number is increased by $\frac{1}{6}$ of itself to become 84. What was the original number?

ANSWERS

Question Numbers	Answers	Question Numbers	Answers
1	$\frac{3}{4}$	11	$\frac{1}{2}$
2	<i>e.g.</i> $\frac{1}{6}$	12	$\frac{5}{8}$
3	7	13	$\frac{1}{2}$
4	$3\frac{1}{2}$	14	$\frac{5}{2}$ or 2.5
5	$\frac{7}{3}$	15	4
6	$\frac{3}{4}$	16	60
7	24	17	$\frac{3}{8}$ cups ($2\frac{2}{3}$ cups)
8	30	18	18 girls

9	60	19	$\frac{5}{12}$
10	24080 km/h	20	72