

Grade 5 Fraction Operations Challenge Worksheet

Set 036

Grade 5 · Fraction Operations · Challenge

Name: _____ Date: _____

Use common denominators, fraction multiplication, and unit-fraction division. Simplify each answer and write mixed numbers when needed.

1. Add and simplify: $\frac{7}{8} + \frac{1}{4}$.

Answer: _____

2. Subtract and simplify: $\frac{1}{4} - \frac{2}{12}$.

Answer: _____

3. Multiply and simplify: $\frac{4}{6} \times 5$.

Answer: _____

4. What is $\frac{2}{4}$ of 20?

Answer: _____

5. Multiply and simplify: $\frac{8}{12} \times \frac{9}{10}$.

Answer: _____

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

Answer: _____

7. Divide: $9 \div \frac{1}{5}$.

Answer: _____

8. Add and simplify: $4 \frac{10}{12} + 5 \frac{1}{10}$.

Answer: _____

9. Subtract and simplify: $3 \frac{1}{2} - 1 \frac{11}{12}$.

Answer: _____

10. Add and simplify: $\frac{9}{10} + \frac{2}{3}$.

Answer: _____

11. Subtract and simplify: $\frac{4}{5} - \frac{3}{12}$.

Answer: _____

12. Multiply and simplify: $\frac{3}{5} \times 3$.

Answer: _____

13. What is $\frac{1}{2}$ of 24?

Answer: _____

14. Multiply and simplify: $\frac{2}{6} \times \frac{1}{12}$.

Answer: _____

15. Divide and simplify: $\frac{1}{6} \div 10$.

Answer: _____

16. Divide: $2 \div \frac{1}{8}$.

Answer: _____

17. Add and simplify: $1\frac{3}{4} + 1\frac{3}{6}$.

Answer: _____

18. Subtract and simplify: $5\frac{2}{3} - 2\frac{1}{2}$.

Answer: _____

19. Add and simplify: $\frac{3}{10} + \frac{11}{12}$.

Answer: _____

20. Subtract and simplify: $\frac{7}{12} - \frac{5}{10}$.

Answer: _____

21. Multiply and simplify: $\frac{4}{6} \times 7$.

Answer: _____

22. What is $\frac{3}{8}$ of 88?

Answer: _____

23. Multiply and simplify: $\frac{2}{3} \times \frac{1}{5}$.

Answer: _____

24. Divide and simplify: $\frac{1}{4} \div 3$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $1 \frac{1}{8}$	2. $\frac{1}{12}$
3. $3 \frac{1}{3}$	4. 10
5. $\frac{3}{5}$	6. $\frac{1}{15}$
7. 45	8. $9 \frac{14}{15}$
9. $1 \frac{7}{12}$	10. $1 \frac{17}{30}$
11. $\frac{11}{20}$	12. $1 \frac{4}{5}$
13. 12	14. $\frac{1}{36}$
15. $\frac{1}{60}$	16. 16
17. $3 \frac{1}{4}$	18. $3 \frac{1}{6}$
19. $1 \frac{13}{60}$	20. $\frac{1}{12}$
21. $4 \frac{2}{3}$	22. 33
23. $\frac{2}{15}$	24. $\frac{1}{12}$