

Grade 5 Fraction Operations Challenge Worksheet

Set 030

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: $\frac{1}{10} + \frac{1}{2}$.

Answer: _____

2. Subtract and simplify: $\frac{5}{8} - \frac{1}{2}$.

Answer: _____

3. Multiply and simplify: $\frac{2}{12} \times 4$.

Answer: _____

4. What is $\frac{2}{8}$ of 40?

Answer: _____

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

Answer: _____

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

Answer: _____

7. Divide: $8 \div \frac{1}{5}$.

Answer: _____

8. Add and simplify: $1\frac{9}{10} + 4\frac{5}{6}$.

Answer: _____

9. Subtract and simplify: $7\frac{3}{12} - 2\frac{5}{6}$.

Answer: _____

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

Answer: _____

11. Subtract and simplify: $\frac{4}{5} - \frac{1}{2}$.

Answer: _____

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

Answer: _____

13. What is $\frac{3}{4}$ of 24?

Answer: _____

14. Multiply and simplify: $\frac{2}{6} \times \frac{3}{10}$.

Answer: _____

15. Divide and simplify: $\frac{1}{4} \div 9$.

Answer: _____

16. Divide: $6 \div \frac{1}{4}$.

Answer: _____

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

Answer: _____

18. Subtract and simplify: $5 \frac{1}{4} - 1 \frac{2}{3}$.

Answer: _____

19. Add and simplify: $\frac{6}{12} + \frac{3}{8}$.

Answer: _____

20. Subtract and simplify: $\frac{4}{8} - \frac{2}{12}$.

Answer: _____

21. Multiply and simplify: $\frac{3}{12} \times 10$.

Answer: _____

22. What is $\frac{9}{10}$ of 70?

Answer: _____

23. Multiply and simplify: $\frac{1}{3} \times \frac{3}{8}$.

Answer: _____

24. Divide and simplify: $\frac{1}{12} \div 5$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $\frac{3}{5}$	2. $\frac{1}{8}$
3. $\frac{2}{3}$	4. 10
5. $\frac{1}{12}$	6. $\frac{1}{36}$
7. 40	8. $6\frac{11}{15}$
9. $4\frac{5}{12}$	10. $\frac{3}{4}$
11. $\frac{3}{10}$	12. $4\frac{2}{3}$
13. 18	14. $\frac{1}{10}$
15. $\frac{1}{36}$	16. 24
17. $6\frac{9}{40}$	18. $3\frac{7}{12}$
19. $\frac{7}{8}$	20. $\frac{1}{3}$
21. $2\frac{1}{2}$	22. 63
23. $\frac{1}{8}$	24. $\frac{1}{60}$