

Grade 5 Fraction Operations Challenge Worksheet

Set 003

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: $\frac{4}{12} + \frac{3}{4}$.

Answer: _____

2. Subtract and simplify: $\frac{2}{6} - \frac{1}{4}$.

Answer: _____

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

Answer: _____

4. What is $\frac{3}{10}$ of 140?

Answer: _____

5. Multiply and simplify: $\frac{11}{12} \times \frac{1}{4}$.

Answer: _____

6. Divide and simplify: $\frac{1}{4} \div 7$.

Answer: _____

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

Answer: _____

8. Add and simplify: $2\frac{1}{3} + 2\frac{1}{2}$.

Answer: _____

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

Answer: _____

10. Add and simplify: $\frac{1}{2} + \frac{6}{8}$.

Answer: _____

11. Subtract and simplify: $\frac{2}{4} - \frac{5}{12}$.

Answer: _____

12. Multiply and simplify: $\frac{2}{4} \times 9$.

Answer: _____

13. What is $\frac{5}{6}$ of 60?

Answer: _____

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

Answer: _____

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

Answer: _____

16. Divide: $2 \div \frac{1}{4}$.

Answer: _____

17. Add and simplify: $5 \frac{9}{12} + 3 \frac{1}{4}$.

Answer: _____

18. Subtract and simplify: $4 \frac{1}{5} - 1 \frac{2}{8}$.

Answer: _____

19. Add and simplify: $\frac{2}{3} + \frac{6}{10}$.

Answer: _____

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

Answer: _____

21. Multiply and simplify: $\frac{2}{3} \times 7$.

Answer: _____

22. What is $\frac{5}{6}$ of 84?

Answer: _____

23. Multiply and simplify: $\frac{2}{4} \times \frac{2}{6}$.

Answer: _____

24. Divide and simplify: $\frac{1}{12} \div 10$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $1 \frac{1}{12}$	2. $\frac{1}{12}$
3. $2 \frac{1}{2}$	4. 42
5. $\frac{11}{48}$	6. $\frac{1}{28}$
7. 18	8. $4 \frac{5}{6}$
9. $1 \frac{5}{6}$	10. $1 \frac{1}{4}$
11. $\frac{1}{12}$	12. $4 \frac{1}{2}$
13. 50	14. $\frac{1}{6}$
15. $\frac{1}{60}$	16. 8
17. 9	18. $2 \frac{19}{20}$
19. $1 \frac{4}{15}$	20. $\frac{5}{12}$
21. $4 \frac{2}{3}$	22. 70
23. $\frac{1}{6}$	24. $\frac{1}{120}$