

Grade 5 Fraction Operations Challenge Worksheet

Set 015

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: $\frac{7}{12} + \frac{3}{10}$.

Answer: _____

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

Answer: _____

3. Multiply and simplify: $\frac{5}{10} \times 7$.

Answer: _____

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

Answer: _____

5. Multiply and simplify: $\frac{1}{3} \times \frac{5}{10}$.

Answer: _____

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

Answer: _____

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

Answer: _____

8. Add and simplify: $5 \frac{1}{4} + 3 \frac{2}{10}$.

Answer: _____

9. Subtract and simplify: $7 \frac{4}{8} - 1 \frac{2}{5}$.

Answer: _____

10. Add and simplify: $\frac{8}{10} + \frac{7}{12}$.

Answer: _____

11. Subtract and simplify: $\frac{3}{8} - \frac{1}{12}$.

Answer: _____

12. Multiply and simplify: $\frac{1}{2} \times 7$.

Answer: _____

13. What is $\frac{1}{5}$ of 25?

Answer: _____

14. Multiply and simplify: $\frac{5}{10} \times \frac{3}{8}$.

Answer: _____

15. Divide and simplify: $\frac{1}{10} \div 8$.

Answer: _____

16. Divide: $7 \div \frac{1}{2}$.

Answer: _____

17. Add and simplify: $2\frac{2}{4} + 6\frac{2}{5}$.

Answer: _____

18. Subtract and simplify: $6\frac{1}{3} - 1\frac{1}{2}$.

Answer: _____

19. Add and simplify: $\frac{2}{4} + \frac{4}{8}$.

Answer: _____

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

Answer: _____

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

Answer: _____

22. What is $\frac{1}{3}$ of 18?

Answer: _____

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

Answer: _____

24. Divide and simplify: $\frac{1}{8} \div 8$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $\frac{53}{60}$	2. $\frac{1}{10}$
3. $3\frac{1}{2}$	4. 4
5. $\frac{1}{6}$	6. $\frac{1}{24}$
7. 16	8. $8\frac{9}{20}$
9. $6\frac{1}{10}$	10. $1\frac{23}{60}$
11. $\frac{7}{24}$	12. $3\frac{1}{2}$
13. 5	14. $\frac{3}{16}$
15. $\frac{1}{80}$	16. 14
17. $8\frac{9}{10}$	18. $4\frac{5}{6}$
19. 1	20. $\frac{1}{6}$
21. $\frac{2}{3}$	22. 6
23. $\frac{1}{3}$	24. $\frac{1}{64}$