

Grade 5 Fraction Operations Challenge Worksheet

Set 024

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: $\frac{3}{5} + \frac{4}{6}$.

Answer: _____

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

Answer: _____

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

Answer: _____

4. What is $\frac{1}{6}$ of 18?

Answer: _____

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

Answer: _____

6. Divide and simplify: $\frac{1}{8} \div 6$.

Answer: _____

7. Divide: $4 \div \frac{1}{5}$.

Answer: _____

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

Answer: _____

9. Subtract and simplify: $3\frac{1}{2} - 1\frac{6}{10}$.

Answer: _____

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

Answer: _____

11. Subtract and simplify: $\frac{5}{6} - \frac{1}{2}$.

Answer: _____

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

Answer: _____

13. What is $\frac{3}{8}$ of 104?

Answer: _____

14. Multiply and simplify: $\frac{7}{8} \times \frac{6}{10}$.

Answer: _____

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

Answer: _____

16. Divide: $12 \div \frac{1}{12}$.

Answer: _____

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

Answer: _____

18. Subtract and simplify: $6\frac{7}{8} - 2\frac{1}{2}$.

Answer: _____

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

Answer: _____

20. Subtract and simplify: $\frac{2}{4} - \frac{2}{10}$.

Answer: _____

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

Answer: _____

22. What is $\frac{3}{4}$ of 40?

Answer: _____

23. Multiply and simplify: $\frac{1}{4} \times \frac{1}{3}$.

Answer: _____

24. Divide and simplify: $\frac{1}{4} \div 8$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $1\frac{4}{15}$	2. $\frac{7}{15}$
3. 6	4. 3
5. $\frac{1}{24}$	6. $\frac{1}{48}$
7. 20	8. $4\frac{5}{6}$
9. $1\frac{9}{10}$	10. $\frac{33}{40}$
11. $\frac{1}{3}$	12. 8
13. 39	14. $\frac{21}{40}$
15. $\frac{1}{80}$	16. 144
17. $6\frac{11}{12}$	18. $4\frac{3}{8}$
19. $\frac{29}{40}$	20. $\frac{3}{10}$
21. $3\frac{1}{2}$	22. 30
23. $\frac{1}{12}$	24. $\frac{1}{32}$