

Grade 5 Fraction Operations Challenge Worksheet

Set 045

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: $\frac{5}{8} + \frac{2}{5}$.

Answer: _____

2. Subtract and simplify: $\frac{11}{12} - \frac{5}{8}$.

Answer: _____

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

Answer: _____

4. What is $\frac{2}{4}$ of 52?

Answer: _____

5. Multiply and simplify: $\frac{8}{10} \times \frac{1}{2}$.

Answer: _____

6. Divide and simplify: $\frac{1}{5} \div 7$.

Answer: _____

7. Divide: $11 \div \frac{1}{2}$.

Answer: _____

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

Answer: _____

9. Subtract and simplify: $8 \frac{2}{3} - 1 \frac{2}{5}$.

Answer: _____

10. Add and simplify: $\frac{3}{6} + \frac{1}{5}$.

Answer: _____

11. Subtract and simplify: $\frac{6}{10} - \frac{3}{6}$.

Answer: _____

12. Multiply and simplify: $\frac{1}{2} \times 8$.

Answer: _____

13. What is $\frac{1}{5}$ of 45?

Answer: _____

14. Multiply and simplify: $\frac{1}{3} \times \frac{7}{8}$.

Answer: _____

15. Divide and simplify: $\frac{1}{12} \div 6$.

Answer: _____

16. Divide: $10 \div \frac{1}{3}$.

Answer: _____

17. Add and simplify: $5 \frac{1}{10} + 1 \frac{2}{12}$.

Answer: _____

18. Subtract and simplify: $7 \frac{4}{12} - 1 \frac{3}{5}$.

Answer: _____

19. Add and simplify: $\frac{3}{6} + \frac{9}{10}$.

Answer: _____

20. Subtract and simplify: $\frac{9}{10} - \frac{4}{5}$.

Answer: _____

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

Answer: _____

22. What is $\frac{1}{3}$ of 30?

Answer: _____

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

Answer: _____

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

Answer: _____

Answer Key

Answers for all 24 questions

1. $1 \frac{1}{40}$	2. $\frac{7}{24}$
3. $\frac{5}{6}$	4. 26
5. $\frac{2}{5}$	6. $\frac{1}{35}$
7. 22	8. $3 \frac{5}{6}$
9. $7 \frac{4}{15}$	10. $\frac{7}{10}$
11. $\frac{1}{10}$	12. 4
13. 9	14. $\frac{7}{24}$
15. $\frac{1}{72}$	16. 30
17. $6 \frac{4}{15}$	18. $5 \frac{11}{15}$
19. $1 \frac{2}{5}$	20. $\frac{1}{10}$
21. 1	22. 10
23. $\frac{1}{2}$	24. $\frac{1}{60}$