

Grade 5 Fraction Operations Challenge Worksheet

Set 027

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: $\frac{3}{6} + \frac{9}{10}$.

Answer: _____

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

Answer: _____

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

Answer: _____

4. What is $\frac{4}{5}$ of 65?

Answer: _____

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

Answer: _____

6. Divide and simplify: $\frac{1}{8} \div 3$.

Answer: _____

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

Answer: _____

8. Add and simplify: $6\frac{1}{6} + 3\frac{2}{3}$.

Answer: _____

9. Subtract and simplify: $8\frac{9}{10} - 1\frac{5}{12}$.

Answer: _____

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

Answer: _____

11. Subtract and simplify: $9/10 - 3/5$.

Answer: _____

12. Multiply and simplify: $6/12 \times 7$.

Answer: _____

13. What is $\frac{4}{6}$ of 60?

Answer: _____

14. Multiply and simplify: $\frac{5}{6} \times \frac{8}{10}$.

Answer: _____

15. Divide and simplify: $\frac{1}{2} \div 8$.

Answer: _____

16. Divide: $7 \div \frac{1}{10}$.

Answer: _____

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

Answer: _____

18. Subtract and simplify: $8\frac{3}{6} - 2\frac{1}{2}$.

Answer: _____

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

Answer: _____

20. Subtract and simplify: $\frac{4}{10} - \frac{1}{3}$.

Answer: _____

21. Multiply and simplify: $\frac{2}{3} \times 8$.

Answer: _____

22. What is $\frac{2}{12}$ of 168?

Answer: _____

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

Answer: _____

24. Divide and simplify: $\frac{1}{3} \div 5$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $1\frac{2}{5}$	2. $\frac{1}{15}$
3. 9	4. 52
5. $\frac{1}{6}$	6. $\frac{1}{24}$
7. 20	8. $9\frac{5}{6}$
9. $7\frac{29}{60}$	10. $\frac{11}{12}$
11. $\frac{3}{10}$	12. $3\frac{1}{2}$
13. 40	14. $\frac{2}{3}$
15. $\frac{1}{16}$	16. 70
17. $4\frac{1}{4}$	18. 6
19. $1\frac{1}{5}$	20. $\frac{1}{15}$
21. $5\frac{1}{3}$	22. 28
23. $\frac{5}{12}$	24. $\frac{1}{15}$