

Grade 5 Fraction Operations Challenge Worksheet

Set 006

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: $\frac{1}{2} + \frac{1}{3}$.

Answer: _____

2. Subtract and simplify: $\frac{5}{6} - \frac{1}{12}$.

Answer: _____

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

Answer: _____

4. What is $\frac{4}{10}$ of 90?

Answer: _____

5. Multiply and simplify: $\frac{6}{10} \times \frac{2}{6}$.

Answer: _____

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

Answer: _____

7. Divide: $5 \div \frac{1}{8}$.

Answer: _____

8. Add and simplify: $6\frac{1}{2} + 2\frac{5}{8}$.

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

13. What is $\frac{1}{2}$ of 8?

Answer: _____

14. Multiply and simplify: $\frac{5}{12} \times \frac{1}{8}$.

Answer: _____

15. Divide and simplify: $\frac{1}{2} \div 10$.

Answer: _____

16. Divide: $9 \div \frac{1}{12}$.

Answer: _____

17. Add and simplify: $6\frac{4}{8} + 2\frac{2}{4}$.

Answer: _____

18. Subtract and simplify: $4\frac{5}{8} - 2\frac{1}{3}$.

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

22. What is $\frac{2}{6}$ of 84?

Answer: _____

23. Multiply and simplify: $\frac{5}{6} \times \frac{1}{4}$.

Answer: _____

24. Divide and simplify: $\frac{1}{8} \div 9$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $\frac{5}{6}$	2. $\frac{3}{4}$
3. $2\frac{2}{3}$	4. 36
5. $\frac{1}{5}$	6. $\frac{1}{64}$
7. 40	8. $9\frac{1}{8}$
9. $3\frac{9}{10}$	10. $\frac{13}{20}$
11. $\frac{7}{20}$	12. 11
13. 4	14. $\frac{5}{96}$
15. $\frac{1}{20}$	16. 108
17. 9	18. $2\frac{7}{24}$
19. $1\frac{1}{24}$	20. $\frac{5}{12}$
21. 8	22. 28
23. $\frac{5}{24}$	24. $\frac{1}{72}$