

Grade 5 Fraction Operations Challenge Worksheet

Set 009

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: $\frac{7}{8} - \frac{9}{12}$.

Answer: _____

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

Answer: _____

4. What is $\frac{1}{3}$ of 33?

Answer: _____

5. Multiply and simplify: $\frac{4}{12} \times \frac{1}{3}$.

Answer: _____

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

Answer: _____

7. Divide: $9 \div \frac{1}{4}$.

Answer: _____

8. Add and simplify: $1\frac{2}{4} + 2\frac{6}{12}$.

Answer: _____

9. Subtract and simplify: $3\frac{4}{12} - 2\frac{2}{3}$.

Answer: _____

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

Answer: _____

11. Subtract and simplify: $\frac{2}{3} - \frac{3}{8}$.

Answer: _____

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

Answer: _____

13. What is $\frac{1}{2}$ of 20?

Answer: _____

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

Answer: _____

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

Answer: _____

16. Divide: $7 \div \frac{1}{6}$.

Answer: _____

17. Add and simplify: $1\frac{7}{12} + 6\frac{9}{10}$.

Answer: _____

18. Subtract and simplify: $6\frac{1}{2} - 2\frac{4}{5}$.

Answer: _____

19. Add and simplify: $\frac{3}{12} + \frac{1}{2}$.

Answer: _____

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

Answer: _____

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

Answer: _____

22. What is $\frac{2}{10}$ of 110?

Answer: _____

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

Answer: _____

24. Divide and simplify: $\frac{1}{12} \div 7$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $1\frac{4}{15}$	2. $\frac{1}{8}$
3. 4	4. 11
5. $\frac{1}{9}$	6. $\frac{1}{15}$
7. 36	8. 4
9. $\frac{2}{3}$	10. 1
11. $\frac{7}{24}$	12. $1\frac{1}{3}$
13. 10	14. $\frac{5}{12}$
15. $\frac{1}{24}$	16. 42
17. $8\frac{29}{60}$	18. $3\frac{7}{10}$
19. $\frac{3}{4}$	20. $\frac{4}{15}$
21. $1\frac{1}{3}$	22. 22
23. $\frac{1}{12}$	24. $\frac{1}{84}$