

Grade 5 Fraction Operations Challenge Worksheet

Set 012

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: $\frac{2}{3} + \frac{8}{10}$.

Answer: _____

2. Subtract and simplify: $\frac{7}{8} - \frac{2}{4}$.

Answer: _____

3. Multiply and simplify: $\frac{1}{6} \times 8$.

Answer: _____

4. What is $\frac{8}{10}$ of 110?

Answer: _____

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

Answer: _____

6. Divide and simplify: $\frac{1}{5} \div 2$.

Answer: _____

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

Answer: _____

8. Add and simplify: $3\frac{10}{12} + 3\frac{2}{4}$.

Answer: _____

9. Subtract and simplify: $3\frac{5}{6} - 2\frac{1}{2}$.

Answer: _____

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

Answer: _____

11. Subtract and simplify: $10/12 - 3/8$.

Answer: _____

12. Multiply and simplify: $1/2 \times 9$.

Answer: _____

13. What is $\frac{8}{10}$ of 30?

Answer: _____

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

Answer: _____

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

Answer: _____

16. Divide: $11 \div \frac{1}{8}$.

Answer: _____

17. Add and simplify: $4\frac{1}{5} + 1\frac{1}{6}$.

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

21. Multiply and simplify: $\frac{7}{10} \times 4$.

Answer: _____

22. What is $\frac{7}{12}$ of 84?

Answer: _____

23. Multiply and simplify: $\frac{1}{3} \times \frac{7}{12}$.

Answer: _____

24. Divide and simplify: $\frac{1}{10} \div 9$.

Answer: _____

Answer Key

Answers for all 24 questions

1. $1\frac{7}{15}$	2. $\frac{3}{8}$
3. $1\frac{1}{3}$	4. 88
5. $\frac{1}{3}$	6. $\frac{1}{10}$
7. 40	8. $7\frac{1}{3}$
9. $1\frac{1}{3}$	10. $1\frac{1}{4}$
11. $\frac{11}{24}$	12. $4\frac{1}{2}$
13. 24	14. $\frac{5}{18}$
15. $\frac{1}{35}$	16. 88
17. $5\frac{11}{30}$	18. 7
19. $1\frac{1}{4}$	20. $\frac{13}{24}$
21. $2\frac{4}{5}$	22. 49
23. $\frac{7}{36}$	24. $\frac{1}{90}$