

# Grade 4 Fractions Challenge Worksheet Set 003

Grade 4 · Fractions · Challenge

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Use equivalent fractions, comparison, like-denominator operations, and whole-number reasoning. Simplify when requested.

1. Complete the equivalent fraction:  $\frac{3}{10} = \frac{?}{40}$ .

Answer: \_\_\_\_\_

2. Complete the equivalent fraction:  $\frac{4}{5} = \frac{8}{?}$ .

Answer: \_\_\_\_\_

3. Compare  $\frac{7}{8}$  and  $\frac{5}{12}$ . Write  $<$  or  $>$ .

Answer: \_\_\_\_\_

4. What is  $\frac{4}{6}$  of 42?

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

7. Write  $5\frac{1}{10}$  as an improper fraction.

Answer: \_\_\_\_\_

8. Write  $\frac{10}{3}$  as a mixed number.

Answer: \_\_\_\_\_

9. A trail crew finished  $\frac{4}{6}$  of a route. What fraction of the route remains?

Answer: \_\_\_\_\_

10. Complete the equivalent fraction:  $\frac{1}{8} = \frac{?}{24}$ .

Answer: \_\_\_\_\_

11. Complete the equivalent fraction:  $\frac{1}{3} = \frac{5}{?}$ .

Answer: \_\_\_\_\_

12. Compare  $\frac{1}{2}$  and  $\frac{3}{5}$ . Write  $<$  or  $>$ .

Answer: \_\_\_\_\_

13. What is  $\frac{1}{3}$  of 18?

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

16. Write  $5\frac{3}{4}$  as an improper fraction.

Answer: \_\_\_\_\_

17. Write  $\frac{13}{2}$  as a mixed number.

Answer: \_\_\_\_\_

18. A trail crew finished  $\frac{11}{12}$  of a route. What fraction of the route remains?

Answer: \_\_\_\_\_

19. Complete the equivalent fraction:  $\frac{8}{10} = \frac{?}{40}$ .

Answer: \_\_\_\_\_

20. Complete the equivalent fraction:  $\frac{1}{5} = \frac{2}{?}$ .

Answer: \_\_\_\_\_

21. Compare  $\frac{1}{5}$  and  $\frac{3}{10}$ . Write  $<$  or  $>$ .

Answer: \_\_\_\_\_

22. What is  $\frac{5}{8}$  of 16?

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

# Answer Key

Answers for all 24 questions

|                    |                    |
|--------------------|--------------------|
| 1. 12              | 2. 10              |
| 3. >               | 4. 28              |
| 5. $\frac{1}{1}$   | 6. $\frac{1}{3}$   |
| 7. $\frac{51}{10}$ | 8. $3\frac{1}{3}$  |
| 9. $\frac{1}{3}$   | 10. 3              |
| 11. 15             | 12. <              |
| 13. 6              | 14. $\frac{3}{4}$  |
| 15. $\frac{1}{5}$  | 16. $2\frac{3}{4}$ |
| 17. $6\frac{1}{2}$ | 18. $\frac{1}{12}$ |
| 19. 32             | 20. 10             |
| 21. <              | 22. 10             |
| 23. $\frac{4}{5}$  | 24. $\frac{1}{5}$  |