

# Grade 4 Fractions Challenge Worksheet Set 024

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:  $2/12 = ?/36$ .

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

2. Complete the equivalent fraction:  $2/12 = 6/?$ .

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

3. Compare  $3/5$  and  $6/12$ . Write  $<$  or  $>$ .

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

4. What is  $7/10$  of 20?

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

5. Add and simplify:  $1/2 + 1/2$ .

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

6. Subtract and simplify:  $4/6 - 2/6$ .

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

7. Write  $3 \frac{1}{3}$  as an improper fraction.

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

8. Write  $9/4$  as a mixed number.

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

9. A trail crew finished  $4/5$  of a route. What fraction of the route remains?

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

10. Complete the equivalent fraction:  $1/2 = ?/8$ .

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

11. Complete the equivalent fraction:  $1/2 = 3/?$ .

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

12. Compare  $\frac{3}{4}$  and  $\frac{3}{5}$ . Write  $<$  or  $>$ .

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

13. What is  $\frac{1}{4}$  of 24?

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

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

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

15. Subtract and simplify:  $\frac{5}{10} - \frac{1}{10}$ .

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

16. Write  $4\frac{1}{2}$  as an improper fraction.

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

17. Write  $\frac{10}{4}$  as a mixed number.

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

18. A trail crew finished  $\frac{1}{6}$  of a route. What fraction of the route remains?

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

19. Complete the equivalent fraction:  $\frac{3}{5} = \frac{?}{15}$ .

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

20. Complete the equivalent fraction:  $\frac{1}{3} = \frac{4}{?}$ .

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

21. Compare  $\frac{4}{10}$  and  $\frac{3}{6}$ . Write  $<$  or  $>$ .

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

22. What is  $\frac{3}{5}$  of 10?

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

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

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

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

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

# Answer Key

Answers for all 24 questions

|                    |                   |
|--------------------|-------------------|
| 1. 6               | 2. 36             |
| 3. >               | 4. 14             |
| 5. $\frac{1}{1}$   | 6. $\frac{1}{3}$  |
| 7. $\frac{10}{3}$  | 8. $2\frac{1}{4}$ |
| 9. $\frac{1}{5}$   | 10. 4             |
| 11. 6              | 12. >             |
| 13. 6              | 14. $\frac{1}{1}$ |
| 15. $\frac{2}{5}$  | 16. $\frac{9}{2}$ |
| 17. $2\frac{2}{4}$ | 18. $\frac{5}{6}$ |
| 19. 9              | 20. 12            |
| 21. <              | 22. 6             |
| 23. $\frac{1}{1}$  | 24. $\frac{1}{4}$ |