

Year 6 Fractions — Foundation Answer Key

Answers for all 24 questions | Working shown where helpful

A. Understanding Fractions

1. 3

2. 7

3. $\frac{2}{6}$ (or $\frac{1}{3}$)

4. Proper fraction

B. Equivalent Fractions

5. 4

6. 9

$$\frac{2}{3} = \frac{6}{9} \text{ (multiply numerator and denominator by 3).}$$

7. 9

$$\frac{3}{4} = \frac{9}{12} \text{ (multiply numerator and denominator by 3).}$$

C. Simplifying Fractions

8. $\frac{1}{2}$

9. $\frac{2}{3}$

$$\frac{6}{9} = \frac{2}{3} \text{ (divide both by 3).}$$

10. $\frac{2}{3}$

$$\frac{10}{15} = \frac{2}{3} \text{ (divide both by 5).}$$

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D. Fractions of Amounts

11. 5

$$20 \div 4 = 5.$$

12. 8

$$12 \div 3 = 4; 4 \times 2 = 8.$$

13. 15

$$25 \div 5 = 5; 5 \times 3 = 15.$$

E. Adding and Subtracting Fractions

14. $\frac{3}{5}$

15. $\frac{3}{8}$

16. $\frac{3}{4}$

$$\frac{1}{2} = \frac{2}{4}; \frac{2}{4} + \frac{1}{4} = \frac{3}{4}.$$

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F. Multiplying Fractions by Whole Numbers

17. $\frac{3}{4}$

18. $\frac{4}{7}$

19. $1\frac{1}{5}$

$$\frac{2}{5} \times 3 = \frac{6}{5} = 1\frac{1}{5}.$$

G. Dividing Fractions by Whole Numbers

20. $\frac{1}{4}$

$$\frac{1}{2} \div 2 = \frac{1}{4}.$$

21. $\frac{1}{4}$

$$\frac{3}{4} \div 3 = \frac{3}{12} = \frac{1}{4}.$$

22. $\frac{1}{3}$

$$\frac{2}{3} \div 2 = \frac{2}{6} = \frac{1}{3}.$$

H. Comparing and Ordering Fractions

23. $\frac{1}{2} > \frac{1}{4}$

$$\frac{1}{2} = \frac{2}{4}, \text{ so } \frac{1}{2} > \frac{1}{4}.$$

24. $\frac{1}{4}, \frac{2}{4}, \frac{3}{4}$

Same denominator: compare numerators 1, 2, 3.