

Year 6 Fractions — Developing Worksheet

24 questions | Level 2: Developing | All 8 revision skills

Name: _____ Date: _____

Show your working. Simplify answers where possible.

A. Understanding Fractions

1. Write $\frac{11}{4}$ as a mixed number.
2. Write $2\frac{3}{5}$ as an improper fraction.
3. A ribbon is split into 12 equal pieces. 7 are used. What fraction remains?

B. Equivalent Fractions

4. Complete: $\frac{5}{6} = \frac{\quad}{24}$
5. Complete: $\frac{3}{4} = \frac{21}{\quad}$
6. Are $\frac{8}{12}$ and $\frac{10}{15}$ equivalent? Explain briefly.

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C. Simplifying Fractions

7. Simplify $\frac{18}{24}$ fully.

8. Simplify $\frac{21}{35}$ fully.

9. A class has 12 girls and 18 boys. What fraction are girls? Simplify.

D. Fractions of Amounts

10. Find $\frac{3}{8}$ of 64.

11. A shop has 45 balloons. $\frac{2}{5}$ are blue. How many are not blue?

12. A book has 72 pages. Mia reads $\frac{5}{9}$ of it. How many pages remain?

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E. Adding and Subtracting Fractions

13. Calculate: $\frac{3}{4} + \frac{1}{8}$. Simplify your answer.

14. Calculate: $\frac{5}{6} - \frac{1}{3}$. Simplify your answer.

15. Sam walks $\frac{2}{5}$ km, then $\frac{3}{10}$ km. How far does he walk in total?

F. Multiplying Fractions by Whole Numbers

16. Calculate: $\frac{3}{8} \times 4$. Give a mixed number.

17. Calculate: $\frac{5}{6} \times 3$. Give a mixed number.

18. Each jug holds $\frac{3}{4}$ litre. How much do 6 jugs hold?

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G. Dividing Fractions by Whole Numbers

19. Calculate: $\frac{5}{6} \div 5$. Simplify.

20. Calculate: $\frac{3}{4} \div 6$. Simplify.

21. Share $\frac{2}{3}$ kg of flour equally between 4 bags. How much per bag?

H. Comparing and Ordering Fractions

22. Insert $<$ or $>$: $\frac{5}{8} \text{ — } \frac{2}{3}$

23. Order from smallest to largest: $\frac{3}{4}$, $\frac{5}{8}$, $\frac{7}{12}$.

24. Which is greater, $\frac{4}{5}$ or $\frac{7}{9}$? Show a common denominator.