

Math 01 Skills Practice: Fractions

Here are questions for you to practice calculating with fractions and mixed numbers, corresponding to Chapter 3 of the textbook. Remember to reduce your answers to lowest terms. Answers to odd numbered questions are at the end - so you can check when you are correct. Similar questions will be on the final.

Q1. Evaluate: $\frac{1}{4} + \frac{2}{5}$

Q2. Evaluate: $\frac{1}{3} + \frac{2}{7}$

Q3. Calculate: $\frac{3}{8} + \frac{3}{20}$

Q4. Calculate: $\frac{1}{8} + \frac{9}{22}$

Q5. Find: $\frac{7}{8} - \frac{3}{16}$

Q6. Find: $\frac{5}{6} - \frac{2}{9}$

Q7. Multiply $\frac{2}{7}$ by $\frac{5}{6}$

Q8. Multiply $\frac{3}{8}$ by $\frac{7}{20}$

Q9. Evaluate: $\frac{30}{55} \times \frac{20}{45}$

Q10. Evaluate: $\frac{22}{28} \times \frac{14}{33}$

Q11. Evaluate: $\frac{15}{28} \div \frac{25}{21}$

Q12. Evaluate: $\frac{15}{99} \div \frac{5}{33}$

Q13. Evaluate: $\frac{1}{3} + \frac{4}{5} + \frac{7}{15}$

Q14. Evaluate: $\frac{2}{5} + \frac{3}{2} + \frac{7}{10}$

Q15. Find: $4 + \frac{5}{7} - \frac{1}{14} + \frac{5}{14}$

Q16. Find: $3 + \frac{1}{3} + \frac{1}{9} - \frac{5}{6}$

Q17. Find: $3\frac{1}{2} + 2\frac{1}{4}$

Q18. Find: $5\frac{1}{3} + 4\frac{2}{3}$

Q19. Compute: $1\frac{5}{6} + 2\frac{9}{10}$

Q20. Compute: $4\frac{8}{9} + 5\frac{1}{6}$

Q21. Evaluate: $10 - 3\frac{1}{7}$

Q22. Evaluate: $2 - 1\frac{3}{4}$

Q23. Calculate: $4\frac{2}{3} - 2\frac{4}{5}$

Q24. Calculate: $9\frac{1}{3} - 6\frac{1}{2}$

Q25. Find: $3\frac{1}{5} \times 2\frac{3}{5}$

Q26. Find: $4\frac{2}{3} \times 1\frac{1}{2}$

Q27. Put these fractions in order from smallest to largest: $\frac{3}{5}, \frac{4}{7}, \frac{19}{35}$

Q28. Put these fractions in order from smallest to largest: $\frac{1}{2}, \frac{1}{3}, \frac{3}{7}$

Q29. Put the following fractions into decreasing order $\frac{3}{5}, \frac{5}{8}, \frac{8}{15}$

Q30. Put the following fractions into increasing order $\frac{1}{10}, \frac{9}{100}, \frac{99}{1000}$

Q31. Evaluate: $\frac{3}{4} - \frac{1}{20} + \frac{3}{5} \times \frac{7}{2}$

Q32. Evaluate: $\frac{2}{3} + \frac{11}{12} - \frac{3}{4} \div \frac{3}{7}$

Q33. Convert to mixed numbers: (a) $\frac{9}{2}$, (b) $\frac{17}{5}$, (c) $\frac{18}{3}$

Q34. Convert to improper fractions: (a) $2\frac{1}{3}$, (b) $7\frac{2}{5}$, (c) $1\frac{3}{4}$

Answers to odd numbered questions.

Q1: $\frac{13}{20}$ Q3: $\frac{21}{40}$ Q5: $\frac{11}{16}$ Q7: $\frac{5}{21}$ Q9: $\frac{8}{33}$ Q11: $\frac{9}{20}$ Q13: $1\frac{9}{15}$ Q15: 5 Q17: $5\frac{3}{4}$

Q19: $4\frac{11}{15}$ Q21: $6\frac{6}{7}$ Q23: $1\frac{13}{15}$ Q25: $8\frac{8}{25}$ Q27: $\frac{19}{35}, \frac{4}{7}, \frac{3}{5}$ Q29: $\frac{5}{8}, \frac{3}{5}, \frac{8}{15}$ Q31: $2\frac{4}{5}$

Q33: (a) $4\frac{1}{2}$, (b) $3\frac{2}{5}$, (c) 6

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