FRACTIONS PRACTICE SOLUTIONS

1) $\frac{4}{7}+\frac{3}{7}=\frac{4+3}{7}=\frac{7}{7}=\mathbf{1}$

2) $\frac{3}{6}+\frac{1}{6}=\frac{3+1}{6}=\frac{4}{6}=\mathbf{\frac{2}{3}}$

3) $\frac{2}{5}+\frac{7}{10}=\frac{4}{10}+\frac{7}{10}=\frac{11}{10}=\mathbf{1\frac{1}{10}}$

4) $\frac{3}{4}+\frac{1}{8}=\frac{6}{8}+\frac{1}{8}=\mathbf{\frac{7}{8}}$

5) $\frac{5}{6}+\frac{1}{2}=\frac{5}{6}+\frac{1x3}{2x3}=\frac{9}{6}=1\frac{3}{6}=\mathbf{1\frac{1}{2}}$

6) $\frac{3}{7}+\frac{1}{4}=\frac{3x4}{7x4}+\frac{1x7}{4x7}=\frac{12}{28}+\frac{7}{28}=\mathbf{\frac{19}{28}}$

7) $\frac{4}{5}+\frac{1}{6}=\frac{4x6}{5x6}+\frac{1x5}{6x5}=\frac{24}{30}+\frac{5}{30}=\mathbf{\frac{29}{30}}$

8) $\frac{5}{9}+\frac{2}{6}=\frac{5x2}{9x2}+\frac{2x3}{6x3}=\frac{10}{18}+\frac{6}{18}=\frac{16}{18}=\mathbf{\frac{8}{9}}$

9) $\frac{7}{9}+\frac{1}{2}=\frac{7x2}{9x2}+\frac{1x9}{2x9}=\frac{14}{18}+\frac{9}{18}=\frac{23}{18}=\mathbf{1\frac{5}{18}}$

10) $1\frac{4}{5}+2\frac{5}{6}=1\frac{4x6}{5x6}+2\frac{5x5}{6x5}=1\frac{24}{30}+2\frac{25}{30}=3\frac{49}{30}=\mathbf{4\frac{19}{30}}$

11) $3\frac{7}{8}+4\frac{4}{5}=3\frac{7x5}{8x5}+4\frac{4x8}{5x8}=3\frac{35}{40}+4\frac{32}{40}=7\frac{67}{40}=\mathbf{8\frac{27}{40}}$

12) $2\frac{3}{5}+3\frac{1}{8}=2\frac{3x8}{5x8}+3\frac{1x5}{8x5}=2\frac{24}{40}+3\frac{5}{40}=\mathbf{5\frac{29}{40}}$

13) $\frac{3}{5}-\frac{1}{5}=\frac{3-1}{5}=\mathbf{\frac{4}{5}}$

14) $\frac{9}{10}+\frac{2}{3}=\frac{9x3}{10x3}+\frac{2x10}{3x10}=\frac{27}{30}+\frac{20}{30}=\frac{47}{30}=\mathbf{1\frac{17}{30}}$

15) $1\frac{3}{5}-\frac{1}{8}=1\frac{3x8}{5x8}-\frac{1x5}{8x5}=1\frac{24}{40}-\frac{5}{40}=1\frac{\mathbf{19}}{\mathbf{40}}$

16) $2\frac{1}{5}+1\frac{2}{9}=2\frac{1x9}{5x9}+1\frac{2x5}{9x5}=2\frac{9}{45}+1\frac{10}{45}=\mathbf{3\frac{19}{45}}$

17) $\frac{4}{5}+3\frac{3}{8}=\frac{4x8}{5x8}+3\frac{3x5}{8x5}=\frac{32}{40}+3\frac{15}{40}=3\frac{47}{40}=\mathbf{4\frac{7}{40}}$

18) $4\frac{1}{2}-2\frac{1}{16}=4\frac{1x8}{2x8}-2\frac{1}{16}=4\frac{8}{16}-2\frac{1}{16}=\mathbf{2\frac{7}{16}}$

19) $6\frac{3}{4}-1\frac{3}{8}=6\frac{3x2}{4x2}-1\frac{3}{8}=6\frac{6}{8}-1\frac{3}{8}=6\text{-}1\frac{6-3}{8}=\mathbf{5\frac{3}{8}}$

20) $1\frac{3}{16}+\frac{1}{64}=1\frac{3x4}{16x4}=\frac{1}{64}=1\frac{12}{64}+\frac{1}{64}=\mathbf{1\frac{13}{64}}$

21) $2\frac{3}{32}-1\frac{5}{8}=2\frac{3}{32}-1\frac{5x4}{8x4}=2\frac{3}{32}-1\frac{20}{32}=1\frac{35}{32}-1\frac{20}{32}=\mathbf{\frac{15}{32}}$

22) $6\frac{17}{64}-2\frac{3}{16}=6\frac{17}{64}-2\frac{3x4}{14x4}=6\frac{17}{64}-2\frac{12}{64}=\mathbf{4\frac{5}{64}}$

23) $2\frac{3}{32}+3\frac{1}{64}=2\frac{3x2}{32x2}+3\frac{1}{64}=2\frac{6}{64}+3\frac{1}{64}=\mathbf{5\frac{7}{64}}$

25) $3\frac{3}{8}-2\frac{7}{16}=3\frac{3x2}{8x2}-2\frac{7}{16}=3\frac{6}{16}-2\frac{7}{16}=2\frac{22}{16}-2\frac{7}{16}=\mathbf{\frac{15}{16}}$

*Remember you can convert from a mixed to an improper fraction any time. Multiply the denominator by the whole number, and add it to the numerator. Keep the denominator the same.

$$\frac{\text{denominator x whole} + \text{numerator}}{\text{denominator}}$$

Example: $7\frac{3}{8}=\frac{8 \text{ x } 7+3}{8}=\frac{59}{8}$