

FRACTIONS

1. Change the following to top heavy fractions eg. $2\frac{1}{2} = \frac{5}{2}$

(a) $1\frac{1}{2}$ (b) $3\frac{1}{4}$ (c) $3\frac{1}{8}$ (d) $5\frac{3}{4}$

2. Change the following to mixed numbers eg. $\frac{3}{2} = 1\frac{1}{2}$

(a) $\frac{7}{2}$ (b) $\frac{5}{4}$ (c) $\frac{9}{5}$ (d) $\frac{7}{3}$

3. Add together the following fractions eg. $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$

(a) $\frac{1}{3} + \frac{1}{3}$ (b) $\frac{3}{8} + \frac{1}{8}$ (c) $\frac{1}{5} + \frac{3}{5}$ (d) $\frac{4}{7} + \frac{3}{7}$

4. Add together the following fractions eg. $\frac{3}{5} + \frac{3}{5} = \frac{6}{5} = 1\frac{1}{5}$

(a) $\frac{6}{5} + \frac{1}{5}$ (b) $\frac{3}{8} + \frac{7}{8}$ (c) $\frac{3}{4} + \frac{7}{4}$ (d) $\frac{11}{12} + \frac{3}{12}$

5. Subtract the following fractions eg. $\frac{6}{7} - \frac{4}{7} = \frac{2}{7}$

(a) $\frac{2}{3} - \frac{1}{3}$ (b) $\frac{7}{8} - \frac{3}{8}$ (c) $\frac{12}{5} - \frac{3}{5}$ (d) $\frac{15}{7} - \frac{9}{7}$

6. Add or subtract following fractions eg. $1\frac{2}{5} + 3\frac{1}{5} = \frac{7}{5} + \frac{16}{5} = \frac{23}{5} = 4\frac{3}{5}$

(a) $2\frac{2}{5} + \frac{1}{5}$ (b) $3\frac{5}{8} - 1\frac{3}{8}$ (c) $2\frac{1}{4} - \frac{3}{4}$ (d) $3\frac{5}{8} + 1\frac{7}{8}$

Answers

1(a) $\frac{3}{2}$ (b) $\frac{13}{4}$ (c) $\frac{25}{8}$ (d) $\frac{23}{4}$

2(a) $3\frac{1}{2}$ (b) $1\frac{1}{4}$ (c) $1\frac{4}{5}$ (d) $2\frac{1}{3}$

3(a) $\frac{2}{3}$ (b) $\frac{4}{8} = \frac{1}{2}$ (c) $\frac{4}{5}$ (d) *1whole*

4(a) $\frac{7}{5} = 1\frac{2}{5}$ (b) $\frac{10}{8} = 1\frac{1}{4}$ (c) $\frac{10}{4} = 2\frac{1}{2}$ (d) $\frac{14}{12} = 1\frac{1}{6}$

5(a) $\frac{1}{3}$ (b) $\frac{4}{8} = \frac{1}{2}$ (c) $\frac{9}{5} = 1\frac{4}{5}$ (d) $\frac{6}{7}$

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

(d) $\frac{29}{8} + \frac{15}{8} = \frac{44}{8} = 5\frac{1}{2}$