

key

8. Add or subtract. Simplify if possible.

a) $\frac{1}{2} + \frac{1}{4}$

$\frac{3}{4}$

b) $\frac{1}{2} + \frac{1}{3}$

$\frac{5}{6}$

c) $\frac{1}{2} - \frac{1}{3}$

$\frac{1}{6}$

d) $\frac{5}{6} + \frac{3}{8}$

$1\frac{5}{24}$

e) $\frac{5}{6} - \frac{3}{8}$

$\frac{11}{24}$

f) $\frac{5}{12} + \frac{7}{8}$

$1\frac{7}{24}$

g) $\frac{5}{12} - \frac{7}{8}$

$-\frac{11}{24}$

h) $\frac{1}{2} - \frac{3}{8} + \frac{1}{4}$

$\frac{3}{8}$

~~i) $\frac{3}{8} - \frac{7}{12} + \frac{11}{15}$~~

~~$\frac{21}{40}$~~

~~j) $-\frac{3}{8} + \frac{7}{36} + (-\frac{17}{48})$~~

~~$-\frac{77}{144}$~~

9. Add and simplify. Leave answer in mixed fraction form.

a) $15 + 2\frac{3}{4}$

$17\frac{3}{4}$

b) $2\frac{1}{4} + 3\frac{1}{8}$

$5\frac{3}{8}$

c) $2\frac{1}{2} + (-3\frac{1}{4})$

$-\frac{3}{4}$

d) $-2\frac{1}{2} + (-3\frac{1}{4})$

$-5\frac{3}{4}$

e) $4\frac{2}{3} + 3\frac{3}{4}$

$8\frac{5}{12}$

f) $4\frac{2}{3} + (-3\frac{3}{4})$

$\frac{11}{12}$

g) $2\frac{1}{2} + 3\frac{1}{4} + 4\frac{3}{8}$

$10\frac{1}{8}$

h) $3\frac{1}{8} + (-9\frac{2}{3}) + 4\frac{3}{4}$

$-1\frac{19}{24}$

~~j) $-6\frac{2}{3} + 7\frac{3}{5} + (-3\frac{1}{4})$~~

~~$-2\frac{19}{60}$~~

~~k) $-3\frac{7}{15} + 2\frac{4}{9} + (-4\frac{3}{10})$~~

~~$-5\frac{29}{90}$~~

10. Subtract and simplify. Leave the answer in mixed fraction form.

a) $3\frac{1}{2} - 3\frac{1}{3}$

$\frac{1}{6}$

b) $3\frac{1}{3} - 3\frac{1}{2}$

$-\frac{1}{6}$

c) $7 - 8\frac{2}{3}$

$-1\frac{2}{3}$

d) $4\frac{3}{8} - \frac{3}{4}$

$3\frac{5}{8}$

e) $-3\frac{1}{6} - (-2\frac{4}{9})$

$-\frac{13}{18}$

~~f) $-3\frac{5}{18} - 2\frac{4}{15}$~~

~~$-5\frac{49}{90}$~~

g) $-2\frac{2}{3} - (-3\frac{3}{4}) - 4\frac{5}{6}$

$-3\frac{3}{4}$

h) $2\frac{2}{3} - 3\frac{3}{4} - (-4\frac{5}{6})$

$3\frac{3}{4}$

~~j) $-5\frac{7}{8} - 3\frac{5}{12} - (-9\frac{4}{15})$~~

~~$-\frac{1}{40}$~~

~~k) $-5\frac{7}{8} - (-3\frac{5}{12}) - (-9\frac{4}{15})$~~

~~$6\frac{97}{120}$~~