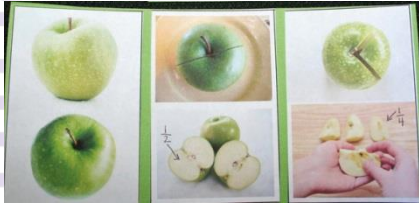


Adding and subtracting fractions

LITERACY

Describe what mathematical information the pictures are telling you about fractions. Try to connect the pictures



RESEARCH

Identify and explain jobs in which your fraction knowledge would be needed.

MEMORY

Remember you need a common denominator to add and subtract fractions

$$= \frac{6}{15} + \frac{5}{15} = \frac{11}{15}$$

SKILL

1) $\frac{1}{10} + \frac{3}{10} =$

6) $\frac{5}{8} + \frac{3}{10} =$

2) $\frac{7}{9} - \frac{3}{9} =$

7) $\frac{8}{9} - \frac{2}{5} =$

3) $\frac{3}{5} + \frac{1}{6} =$

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

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

9) $\frac{3}{4} - \frac{3}{8} =$

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

10) $\frac{1}{2} + \frac{1}{8} =$

STRETCH

1) $\frac{1}{2} + \frac{2}{5} + \frac{3}{10}$

2) $\frac{7}{9} - \frac{1}{3} + \frac{5}{6}$

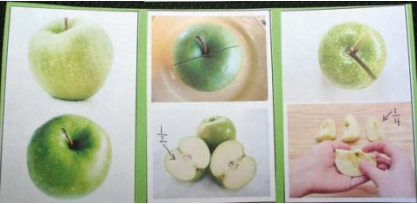
3) $3\frac{2}{5} + 1\frac{1}{3}$

4) $1\frac{3}{4} - \frac{2}{5}$

Adding and Subtracting Fractions

LITERACY

Describe what mathematical information the pictures are telling you about fractions. Try to connect the pictures



RESEARCH

Identify and explain jobs in which your fraction knowledge would be needed.

MEMORY

Remember you need a **common denominator** to add and subtract fractions

$$= \frac{6}{15} + \frac{5}{15} = \frac{11}{15}$$

SKILL

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

$$2) \frac{7}{9} - \frac{3}{9} = \frac{4}{9}$$

$$3) \frac{3}{5} + \frac{1}{6} = \frac{18}{30} + \frac{5}{30} = \frac{23}{30}$$

$$4) \frac{5}{6} - \frac{2}{3} = \frac{15}{18} - \frac{12}{18} = \frac{3}{18} = \frac{1}{6}$$

$$\text{or } \frac{5}{6} - \frac{4}{6} = \frac{1}{6}$$

$$5) \frac{1}{2} + \frac{3}{4} = \frac{4}{8} + \frac{6}{8} = \frac{10}{8} = 1\frac{2}{8} = 1\frac{1}{4}$$

$$\text{or } \frac{2}{4} + \frac{3}{4} = \frac{5}{4} = 1\frac{1}{4}$$

$$6) \frac{5}{8} + \frac{3}{10} = \frac{50}{80} + \frac{24}{80} = \frac{74}{80} = \frac{37}{40}$$

$$\text{or } \frac{25}{40} + \frac{12}{40} = \frac{37}{40}$$

$$7) \frac{8}{9} - \frac{2}{5} = \frac{40}{45} - \frac{18}{45} = \frac{22}{45}$$

$$8) \frac{4}{7} + \frac{1}{6} = \frac{24}{42} + \frac{7}{42} = \frac{31}{42}$$

$$9) \frac{3}{4} - \frac{3}{8} = \frac{24}{32} - \frac{12}{32} = \frac{12}{32} = \frac{3}{8}$$

$$\text{or } \frac{6}{8} - \frac{3}{8} = \frac{3}{8}$$

$$10) \frac{1}{2} + \frac{1}{8} = \frac{8}{16} + \frac{2}{16} = \frac{10}{16} = \frac{5}{8}$$

$$\text{or } \frac{4}{8} + \frac{1}{8} = \frac{5}{8}$$

STRETCH

$$1) \frac{1}{2} + \frac{2}{5} + \frac{3}{10} = \frac{5}{10} + \frac{4}{10} + \frac{3}{10} = \frac{12}{10} = \frac{6}{5}$$

$$2) \frac{7}{9} - \frac{1}{3} + \frac{5}{6} = \frac{14}{18} - \frac{6}{18} + \frac{15}{18} = \frac{23}{18} = 1\frac{5}{18}$$

$$3) 3\frac{2}{5} + 1\frac{1}{3} = \frac{17}{5} + \frac{4}{3} = \frac{51}{15} + \frac{20}{15} = \frac{71}{15} = 4\frac{11}{15}$$

$$4) 1\frac{3}{4} - \frac{2}{5} = \frac{7}{4} - \frac{2}{5} = \frac{35}{20} - \frac{8}{20} = \frac{27}{20} = 1\frac{7}{20}$$