

Fractions Assessment

You may use a calculator to help with your calculations

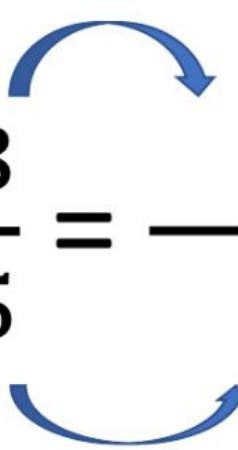


1) Make an equivalent fraction. Show your thinking

a)

$$\frac{3}{5} = \frac{\quad}{\quad}$$

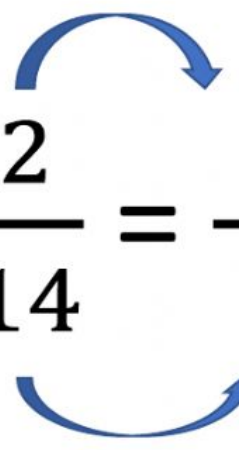
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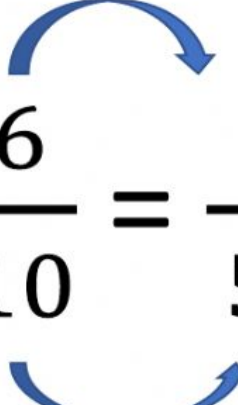
b)

$$\frac{2}{14} = \frac{\quad}{\quad}$$

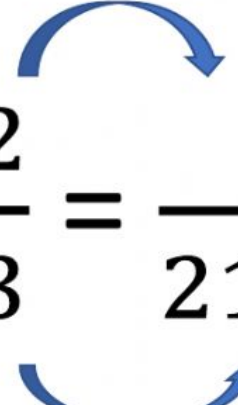
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c)

$$\frac{6}{10} = \frac{\quad}{5}$$


d)

$$\frac{2}{3} = \frac{\quad}{21}$$


e)

$$\frac{4}{36} = \frac{\quad}{9}$$

f)

$$\frac{3}{8} = \frac{\quad}{32}$$

g)

$$\frac{1}{4} = \frac{\quad}{12}$$

h)

$$\frac{24}{72} = \frac{\quad}{9}$$

2) Change the fractions to either improper or mixed fractions.
Do NOT put in simplest form.

a) $\frac{46}{11} = \text{ — }$

b) $5\frac{2}{6} = \text{ — }$

c) $10\frac{3}{2} = \text{ — }$

c) $\frac{25}{6} = \text{ — }$

d) $\frac{30}{9} = \text{ — }$

e) $3\frac{2}{3} = \text{ — }$

3) Add or subtract these fractions.
Give answers in simplest form.

a) $\frac{2}{15} + \frac{6}{15} = \text{---}$

b) $\frac{9}{11} - \frac{2}{11} = \text{---}$

c) $\frac{6}{11} + \frac{3}{33} = \text{---}$

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

e) $\frac{2}{3} + \frac{2}{7} = \text{---}$

f) $\frac{3}{4} - \frac{6}{16} = \text{---}$

g) $\frac{1}{4} + \frac{3}{5} = \text{---}$

h) $\frac{8}{10} - \frac{4}{5} = \text{---}$

i) $\frac{12}{2} + \frac{2}{7} = \text{---}$

j) $3\frac{3}{5} - \frac{6}{10} = \text{---}$

k) $\frac{21}{4} + 1\frac{1}{4} = \text{---}$

l) $\frac{23}{10} - 1\frac{2}{5} = \text{---}$

4) Multiply or divide these fractions.
Put answers in simplest form.

a)

$$4 \times \frac{3}{10} \rightarrow \frac{\quad}{1} \times \frac{3}{10} = \text{---}$$

b)

$$6 \times \frac{2}{5} \rightarrow \text{---} \times \text{---} = \text{---}$$

c)

$$9 \times \frac{7}{11} \rightarrow \text{---} \times \text{---} = \text{---}$$

d) $\frac{4}{6} \div 12 \rightarrow \frac{4}{6} \times \frac{1}{\quad} = \quad$

e) $\frac{5}{9} \div 7 \rightarrow \quad \times \quad = \quad$

f) $\frac{7}{12} \div 13 \rightarrow \quad \times \quad = \quad$