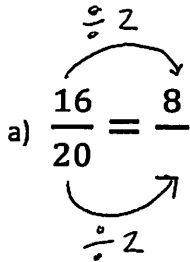


Student Name: \_\_\_\_\_

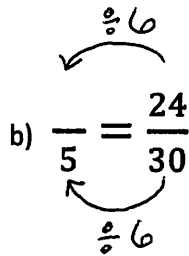
Score: \_\_\_\_\_

**Fill in the Missing Number**

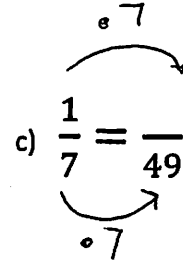
a)  $\frac{16}{20} = \frac{8}{\quad}$



b)  $\frac{\quad}{5} = \frac{24}{30}$



c)  $\frac{1}{7} = \frac{\quad}{49}$



d)  $\frac{22}{33} = \frac{\quad}{3}$

e)  $\frac{10}{\quad} = \frac{30}{27}$

f)  $\frac{\quad}{8} = \frac{36}{72}$

g)  $\frac{\quad}{21} = \frac{4}{3}$

h)  $\frac{4}{8} = \frac{48}{\quad}$

i)  $\frac{85}{90} = \frac{\quad}{18}$

j)  $\frac{2}{10} = \frac{\quad}{50}$

k)  $\frac{34}{\quad} = \frac{2}{5}$

l)  $\frac{\quad}{4} = \frac{16}{64}$

m)  $\frac{\quad}{100} = \frac{1}{4}$

n)  $\frac{15}{24} = \frac{5}{\quad}$

o)  $\frac{9}{13} = \frac{\quad}{78}$

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

Reduce

Equivalent Fractions

$$1) \frac{3}{7} = \frac{9}{21} = \frac{18}{42} = \frac{6}{14} = \frac{3}{7} = \frac{28}{28} = \frac{49}{49} = \frac{35}{35}$$

Handwritten annotations: An arrow labeled "Reduce" points from  $\frac{3}{7}$  to  $\frac{9}{21}$ . An arrow labeled "x6" points from  $\frac{9}{21}$  to  $\frac{18}{42}$ . An arrow labeled "x2" points from  $\frac{18}{42}$  to  $\frac{6}{14}$ . Another arrow labeled "x6" points from  $\frac{3}{7}$  to  $\frac{18}{42}$ . Another arrow labeled "x2" points from  $\frac{6}{14}$  to  $\frac{18}{42}$ .

$$2) \frac{28}{40} = \frac{20}{20} = \frac{30}{30} = \frac{70}{70} = \frac{50}{50} = \frac{10}{10} = \frac{60}{60}$$

$$3) \frac{3}{9} = \frac{15}{15} = \frac{6}{6} = \frac{2}{2} = \frac{21}{21} = \frac{1}{1} = \frac{12}{12}$$

$$4) \frac{2}{16} = \frac{48}{48} = \frac{32}{32} = \frac{8}{8} = \frac{3}{3} = \frac{5}{5} = \frac{56}{56}$$

$$5) \frac{21}{28} = \frac{12}{12} = \frac{18}{18} = \frac{20}{20} = \frac{9}{9} = \frac{8}{8} = \frac{3}{3}$$

$$6) \frac{1}{6} = \frac{30}{30} = \frac{42}{42} = \frac{12}{12} = \frac{4}{4} = \frac{3}{3} = \frac{6}{6}$$

$$7) \frac{6}{12} = \frac{1}{1} = \frac{14}{14} = \frac{10}{10} = \frac{4}{4} = \frac{6}{6} = \frac{8}{8}$$

$$8) \frac{40}{45} = \frac{36}{36} = \frac{56}{56} = \frac{27}{27} = \frac{8}{8} = \frac{54}{54} = \frac{18}{18}$$

$$9) \frac{1}{7} = \frac{3}{3} = \frac{14}{14} = \frac{49}{49} = \frac{42}{42} = \frac{4}{4} = \frac{35}{35}$$

$$10) \frac{20}{25} = \frac{16}{16} = \frac{35}{35} = \frac{30}{30} = \frac{10}{10} = \frac{12}{12} = \frac{5}{5}$$



Student Name: Key

Score: \_\_\_\_\_

**Fill in the Missing Number**

a)  $\frac{16}{20} = \frac{8}{10}$   
Operations:  $\div 2$  (top),  $\div 2$  (bottom)

b)  $\frac{4}{5} = \frac{24}{30}$   
Operations:  $\div 6$  (top),  $\div 6$  (bottom)

c)  $\frac{1}{7} = \frac{7}{49}$   
Operations:  $\times 7$  (top),  $\times 7$  (bottom)

d)  $\frac{22}{33} = \frac{2}{3}$   
Operations:  $\div 11$  (top),  $\div 11$  (bottom)

e)  $\frac{10}{9} = \frac{30}{27}$   
Operations:  $\div 3$  (top),  $\div 3$  (bottom)

f)  $\frac{4}{8} = \frac{36}{72}$   
Operations:  $\times 9$  (top),  $\times 9$  (bottom)

g)  $\frac{28}{21} = \frac{4}{3}$   
Operations:  $\times 7$  (top),  $\times 7$  (bottom)

h)  $\frac{4}{8} = \frac{48}{96}$   
Operations:  $\times 12$  (top),  $\times 12$  (bottom)

i)  $\frac{85}{90} = \frac{17}{18}$   
Operations:  $\div 5$  (top),  $\div 5$  (bottom)

j)  $\frac{2}{10} = \frac{10}{50}$   
Operations:  $\times 5$  (top),  $\times 5$  (bottom)

k)  $\frac{34}{85} = \frac{2}{5}$   
Operations:  $\times 17$  (top),  $\times 17$  (bottom)

l)  $\frac{1}{4} = \frac{16}{64}$   
Operations:  $\div 16$  (top),  $\div 16$  (bottom)

m)  $\frac{25}{100} = \frac{1}{4}$   
Operations:  $\times 25$  (top),  $\times 25$  (bottom)

n)  $\frac{15}{24} = \frac{5}{8}$   
Operations:  $\div 3$  (top),  $\div 3$  (bottom)

o)  $\frac{9}{13} = \frac{54}{78}$   
Operations:  $\times 6$  (top),  $\times 6$  (bottom)

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

Reduce

Equivalent Fractions

$$1) \frac{3}{7} = \frac{9}{21} = \frac{18}{42} = \frac{6}{14} = \frac{1}{7} = \frac{12}{28} = \frac{21}{49} = \frac{15}{35}$$

Handwritten annotations: An arrow labeled "Reduce" points from  $\frac{3}{7}$  to  $\frac{1}{7}$ . An arrow labeled "x6" points from  $\frac{3}{7}$  to  $\frac{18}{42}$ . An arrow labeled "x2" points from  $\frac{18}{42}$  to  $\frac{6}{14}$ . Another arrow labeled "x6" points from  $\frac{1}{7}$  to  $\frac{6}{42}$ . Another arrow labeled "x2" points from  $\frac{6}{42}$  to  $\frac{12}{84}$ .

$$2) \frac{7}{10} = \frac{28}{40} = \frac{14}{20} = \frac{21}{30} = \frac{49}{70} = \frac{35}{50} = \frac{7}{10} = \frac{42}{60}$$

$$3) \frac{1}{3} = \frac{3}{9} = \frac{5}{15} = \frac{6}{18} = \frac{2}{6} = \frac{7}{21} = \frac{1}{3} = \frac{4}{12}$$

$$4) \frac{1}{8} = \frac{2}{16} = \frac{6}{48} = \frac{4}{32} = \frac{1}{8} = \frac{3}{24} = \frac{5}{40} = \frac{7}{56}$$

$$5) \frac{3}{4} = \frac{21}{28} = \frac{12}{16} = \frac{18}{24} = \frac{15}{20} = \frac{9}{12} = \frac{6}{8} = \frac{3}{4}$$

$$6) \frac{1}{6} = \frac{5}{30} = \frac{7}{42} = \frac{2}{12} = \frac{4}{24} = \frac{3}{18} = \frac{6}{36}$$

$$7) \frac{1}{2} = \frac{6}{12} = \frac{1}{2} = \frac{7}{14} = \frac{5}{10} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$$

$$8) \frac{8}{9} = \frac{40}{45} = \frac{32}{36} = \frac{56}{63} = \frac{24}{27} = \frac{8}{9} = \frac{48}{54} = \frac{16}{18}$$

$$9) \frac{1}{7} = \frac{3}{21} = \frac{2}{14} = \frac{7}{49} = \frac{6}{42} = \frac{4}{28} = \frac{5}{35}$$

$$10) \frac{4}{5} = \frac{20}{25} = \frac{16}{20} = \frac{28}{35} = \frac{24}{30} = \frac{8}{10} = \frac{12}{15} = \frac{4}{5}$$

