

### Multiplying and Dividing Fractions

1. Multiply or divide the following fractions.

a.  $\frac{2}{3} \times \frac{5}{7}$

b.  $\frac{4}{3} \div \frac{8}{15}$

c.  $\frac{11}{15} \times \frac{25}{33}$

d.  $\frac{5}{6} \div \frac{15}{16}$

e.  $\frac{4}{5} \div \frac{2}{3}$

f.  $\frac{9}{10} \div \frac{3}{4}$

g.  $\frac{2}{3} \times \frac{3}{8}$

h.  $\frac{5}{2} \times \frac{11}{10}$

i.  $\frac{5}{6} \times \frac{3}{2} \times \frac{36}{5}$

j.  $\frac{5}{8} \times \frac{12}{7}$

k.  $\frac{4}{5} \div \frac{16}{10}$

l.  $\frac{8}{12} \times \frac{9}{16}$

2. Multiply or divide the following fractions.

a.  $2\frac{3}{5} \times \frac{3}{4}$

b.  $\frac{2}{3} \div 6$

c.  $2\frac{5}{6} \div 1\frac{5}{12}$

d.  $8\frac{1}{8} \div 16\frac{1}{4}$

e.  $4 \times \frac{5}{16}$

f.  $11\frac{1}{9} \div 100$

g.  $12\frac{1}{2} \div 15$

h.  $3 \times \frac{2}{3} \times \frac{4}{5}$

i.  $2\frac{1}{2} \times \frac{6}{5} \times 2\frac{1}{4}$

j.  $\frac{9}{10} \div \frac{3}{4} \div 2$

k.  $\frac{5}{8} \div 3\frac{3}{4}$

l.  $5\frac{7}{8} \div 5\frac{7}{8} \times \frac{3}{7}$

m.  $3\frac{1}{3} \times 3\frac{3}{4}$

n.  $1\frac{2}{3} \div 1\frac{1}{4} \times 2$

o.  $1\frac{1}{2} \times 2\frac{1}{3} \times \frac{11}{14}$

#### Answers

1. a)  $\frac{10}{21}$    b)  $\frac{5}{2}, 2\frac{1}{2}$    c)  $\frac{5}{9}$    d)  $\frac{8}{9}$    e)  $\frac{6}{5}, 1\frac{1}{5}$    f)  $\frac{6}{5}, 1\frac{1}{5}$    g)  $\frac{1}{4}$    h)  $\frac{11}{4}, 2\frac{3}{4}$

i) 9   j)  $\frac{15}{14}, 1\frac{1}{14}$    k)  $\frac{1}{2}$    l)  $\frac{3}{8}$

2. a)  $\frac{39}{20}, 1\frac{19}{20}$    b)  $\frac{1}{9}$    c) 2   d)  $\frac{1}{2}$    e)  $\frac{5}{4}, 1\frac{1}{4}$    f)  $\frac{1}{9}$    g)  $\frac{5}{6}$    h)  $\frac{8}{5}, 1\frac{3}{5}$    i)  $\frac{27}{4}, 6\frac{3}{4}$

j)  $\frac{3}{5}$    k)  $\frac{1}{6}$    l)  $\frac{3}{7}$    m)  $\frac{25}{2}, 12\frac{1}{2}$    n)  $\frac{8}{3}, 2\frac{2}{3}$    o)  $\frac{11}{4}, 2\frac{3}{4}$