

Lesson 0.1 • Adding and Multiplying Fractions

Name _____ Period _____ Date _____

1. Find each sum.

a. $\frac{1}{4} + \frac{1}{4}$

b. $\frac{3}{4} + \frac{1}{4}$

c. $\frac{3}{8} + \frac{2}{8}$

d. $\frac{1}{8} + \frac{1}{64}$

e. $\frac{1}{5} + \frac{3}{10}$

f. $\frac{1}{7} + \frac{2}{21}$

g. $\frac{2}{5} + \frac{2}{15}$

h. $\frac{1}{8} + \frac{3}{16} + \frac{5}{64}$

i. $\frac{1}{9} + \frac{1}{27} + \frac{1}{81}$

j. $\frac{3}{7} + \frac{8}{21}$

k. $\frac{1}{2} + \frac{1}{4} + \frac{1}{8}$

l. $\frac{1}{3} + \frac{4}{9} + \frac{6}{27}$

2. Find each difference.

a. $1 - \frac{1}{4}$

b. $1 - \frac{3}{16}$

c. $1 - \frac{1}{4} - \frac{3}{8}$

d. $1 - \frac{1}{2} - \frac{1}{4} - \frac{1}{8}$

e. $1 - \left(\frac{1}{2} + \frac{1}{4} + \frac{1}{8}\right)$

f. $1 - \frac{3}{8} - \frac{7}{16}$

g. $1 - \frac{3}{4} - \frac{1}{8} - \frac{1}{16}$

h. $1 - \left(\frac{3}{4} + \frac{1}{8} + \frac{1}{16}\right)$

i. $1 - \frac{1}{4} - \frac{3}{8} - \frac{5}{16}$

3. Find each product.

a. $\frac{1}{4} \times \frac{1}{4}$

b. $\frac{1}{5} \times \frac{3}{5}$

c. $\frac{1}{3} \times \frac{1}{9}$

d. $\frac{2}{3} \times \frac{5}{8}$

e. $2 \times \frac{1}{5}$

f. $3 \times \frac{1}{6}$

g. $6 \times \frac{2}{9}$

h. $3 \times \frac{1}{4} \times \frac{7}{16}$

i. $9 \times \frac{1}{3} \times \frac{2}{27}$

4. Find each product.

a. $\frac{1}{2} \times 32$

b. $\frac{1}{4} \times 32$

c. $\frac{3}{4} \times 32$

d. $\frac{1}{2} \times \frac{3}{4} \times 32$

e. $\frac{1}{4} \times \frac{3}{4} \times 32$

f. $\frac{3}{4} \times \frac{3}{4} \times 32$

g. $\frac{1}{4} \times \frac{1}{8} \times 32$

h. $\frac{1}{8} \times \frac{1}{8} \times 32$

i. $\frac{3}{8} \times \frac{3}{4} \times 32$