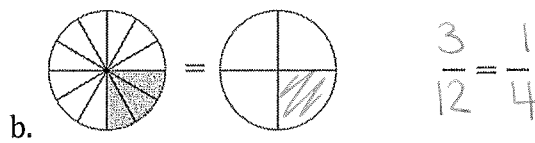
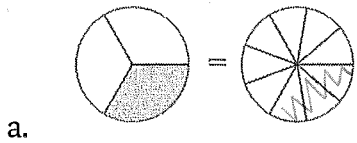


Lesson #1-4 Review

1. Shade the model exactly the same and write down the equivalent fraction:



2. Circle the equivalent fractions:

$$\frac{5}{10} = \frac{15}{30}$$

$$\frac{10}{10} = \frac{30}{30}$$

$$\frac{4}{6} = \frac{20}{18}$$

$$\frac{1}{3} = \frac{2}{6}$$

$$\frac{7}{8} = \frac{35}{40}$$

$$\frac{3}{9} = \frac{9}{36}$$

$$\frac{2}{8} = \frac{10}{40}$$

$$\frac{4}{5} = \frac{12}{15}$$

3. Find the missing numbers in the equivalent fractions below:

a.

$$\frac{2}{5} = \frac{8}{20}$$

b.

$$\frac{5}{7} = \frac{15}{21}$$

c.

$$\frac{1}{8} = \frac{4}{32}$$

d.

$$\frac{4}{12} = \frac{12}{36}$$

4. Reduce each fraction to the lowest terms.

a.

$$\frac{2}{4} = \frac{1}{2}$$

b.

$$\frac{35}{40} = \frac{7}{8}$$

c.

$$\frac{10}{16} = \frac{5}{8}$$

d.

$$\frac{8}{36} = \frac{2}{9}$$

5. Add or subtract the following fractions. Reduce if necessary.

a. $5 \times \frac{7}{4} - \frac{8}{5} \times 4$

$$\frac{35}{20} - \frac{32}{20} = \frac{3}{20}$$

b. $2 \times \frac{23}{2} + \frac{9}{4}$

$$\frac{46}{4} + \frac{9}{4} = \frac{55}{4}$$

$$= 13 \frac{3}{4}$$

c. $5 \times \frac{4}{3} - \frac{2}{5} \times 3$

$$\frac{20}{15} - \frac{6}{15} = \frac{14}{15}$$

d. $7 \times \frac{3}{2} - \frac{9}{7} \times 2$

$$\frac{21}{14} - \frac{18}{14} = \frac{3}{14}$$

e. $\frac{7}{10} + \frac{2}{5} \times 2$

$$\frac{7}{10} + \frac{4}{10} = \frac{11}{10}$$

$$= 1 \frac{1}{10}$$

f. $3 \times \frac{5}{2} + \frac{2}{3} \times 2$

$$\frac{15}{6} + \frac{4}{6} = \frac{19}{6}$$

$$= 3 \frac{1}{6}$$

6. Add or subtract the following mixed fractions. Reduce where necessary.

a. $3\frac{1}{2} - 2\frac{2}{3}$

$$3 \times \frac{7}{2} - \frac{8}{3} \times 2$$

$$\frac{21}{6} - \frac{16}{6} = \frac{5}{6}$$

b. $3\frac{1}{2} - 2\frac{5}{9}$

$$9 \times \frac{7}{2} - \frac{23}{9} \times 2$$

$$\frac{63}{18} - \frac{46}{18} = \frac{17}{18}$$

c. $2\frac{3}{4} + 1\frac{1}{5} \times 4$

$$3 + \frac{15}{20} + \frac{4}{20}$$

$$= 3 \frac{19}{20}$$

d. $3\frac{1}{4} - 2\frac{3}{8}$

$$2 \times \frac{13}{4} - \frac{19}{8}$$

$$\frac{26}{8} - \frac{19}{8} = \frac{7}{8}$$

e. $5\frac{1}{2} + 5\frac{1}{4}$

$$10 \frac{3}{4}$$

f. $1\frac{5}{12} + 3\frac{1}{3}$

$$4 + \frac{5}{12} + \frac{1}{3} \times 4$$

$$4 + \frac{5}{12} + \frac{4}{12}$$

$$4 \frac{9}{12}$$

$$= 4 \frac{3}{4}$$