Introductions to Fractions
Review Worksheet: Lessons 1-10

1. Draw and label a number line from 0 to 1. Mark and label the following fractions:

$$\frac{1}{4} \qquad \frac{1}{8} \qquad \frac{3}{4} \qquad \frac{3}{8} \qquad \frac{5}{8}$$

2. Draw and label a number line from 0 to 1. Mark and label the following fractions:

$$\frac{1}{3} \qquad \frac{2}{3} \qquad \frac{1}{6} \qquad \frac{3}{6} \qquad \frac{5}{6}$$

3. Write two equivalent fractions for each fraction given.

$$\frac{3}{4} \qquad \frac{7}{10} \qquad \frac{8}{13} \qquad \frac{6}{11} \qquad \frac{4}{9}$$

4. Write each fraction in simplest form.

$$\frac{36}{45} \qquad \frac{24}{32} \qquad \frac{18}{56} \qquad \frac{36}{64} \qquad \frac{56}{75}$$

5. Find the missing numerator or denominator that makes the fractions equivalent.

$$\frac{14}{21} = \frac{?}{3} \qquad \frac{?}{10} = \frac{14}{35} \qquad \frac{13}{39} = \frac{?}{24} \qquad \frac{25}{45} = \frac{20}{?}$$

6. Josephine score 36 out of the 63 points scored in the game. What fraction of the points did she score? Rewrite this fraction in simplest form.

7. Carlos spent $\frac{3}{4}$ of the money in his piggy bank. Carmen spent $\frac{2}{3}$ of the money in her Dancing with the Stars bank. Who spent more money?

8. Thaddeus has 72 K'Nex. He lets his little brother play with 12 of them. What fraction of his original Legos does Thaddeus have left? Write this fraction in simplest form.

9. Use a ruler to draw lines that are the following lengths:

$$5\frac{3}{8} \text{ in.} \qquad 4\frac{1}{4} \text{ in.} \qquad 3\frac{5}{8} \text{ in.} \qquad 1\frac{3}{4} \text{ in.} \qquad 1\frac{4}{8} \text{ in.}$$

10. There are 48 red and blue marbles in a bag.   32 marbles are red.
    a. What fraction of the marbles are red? Rewrite the fraction in simplest form.
    b. What fraction of the marbles are blue? Rewrite the fraction in simplest form.

11. Write out each fraction pair. Compare them using the symbols <, >, or =.

$\frac{2}{5}$ ——— $\frac{4}{5}$ $\frac{6}{10}$ ——— $\frac{9}{15}$ $\frac{5}{6}$ ——— $\frac{5}{8}$ $\frac{5}{7}$ ——— $\frac{3}{4}$

$\frac{1}{4}$ ——— $\frac{3}{8}$ $\frac{5}{15}$ ——— $\frac{12}{36}$ $\frac{10}{40}$ ——— $\frac{5}{21}$ $\frac{6}{24}$ ——— $\frac{5}{25}$

12. Write each improper fraction as a mixed number.

$\frac{45}{8}$ $\frac{24}{7}$ $\frac{18}{5}$ $\frac{36}{8}$ $\frac{56}{6}$

13. Write each mixed number as an improper fraction.

$2\frac{5}{6}$ $3\frac{2}{3}$ $4\frac{8}{9}$ $5\frac{3}{4}$ $6\frac{5}{7}$

14. Order the following fractions, improper fractions, and/or mixed numbers from least to greatest.

$4\frac{3}{4}$ $4\frac{2}{3}$ $4\frac{5}{6}$ $\frac{36}{8}$ $\frac{57}{16}$

15. Order the following fractions, improper fractions, and/or mixed numbers from greatest to least.

$3\frac{3}{4}$ $\frac{11}{3}$ $3\frac{1}{5}$ $\frac{14}{4}$ $\frac{17}{5}$

16. Name 2 fractions between each pair of fractions.

$\frac{3}{5}, \frac{4}{5}$ $\frac{1}{6}, \frac{1}{3}$ $\frac{5}{7}, \frac{6}{7}$ $\frac{7}{9}, \frac{8}{9}$

17. A baker is making a double layer cake and wants the shorter layer to sit on top of the longer layer. She has one layer that is $4\frac{5}{6}$ in. long. She has another layer that is $4\frac{3}{4}$ in. long. Which layer should sit on top? Explain (using complete sentences) your thinking.

18. A baker is sharing a recipe with a friend.   He tells his friend that he can use no less than $\frac{26}{8}$ ounces of sugar and no more than $\frac{45}{12}$ ounces of sugar in this recipe. What is the range of ounces that can be used in this recipe? Explain (using complete sentences) your thinking. Hint: use whole and mixed numbers.