Name:_____

Find the common denominator

1. Find the common denominator of $\frac{2}{3}$ *and* $\frac{1}{5}$.

Step 1: Find the multiples of 3: _____, _____, _____, _____, _____, ...

Find the multiples of 5: _____, _____, _____, _____, _____, ...

Step 2: What is the least common denominator (LCD)? _____

Find equivalent fractions for $\frac{2}{3}$ *and* $\frac{1}{5}$ using the least common denominator (LCD) you just found.

$$\frac{2}{3} = \frac{2\ x}{3\ x} = \text{——} \qquad \frac{1}{5} = \frac{1\ x}{5\ x} = \text{——}$$

2. Find the common denominator of $\frac{1}{4}$ *and* $\frac{5}{6}$.

Step 1: Find the multiples of 4: _____, _____, _____, _____, _____, ...

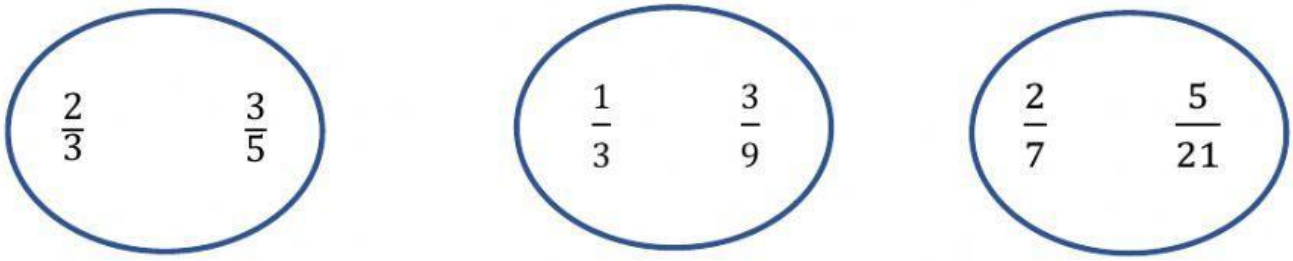
Find the multiples of 6: _____, _____, _____, _____, _____, ...

Step 2: What is the least common denominator (LCD)? _____

Find equivalent fractions for $\frac{1}{4}$ *and* $\frac{5}{6}$ using the least common denominator (LCD) you just found.

$$\frac{1}{4} = \frac{1 \text{ x}}{4 \text{ x}} = \text{\_\_\_\_} \qquad \frac{5}{6} = \frac{5 \text{ x}}{6 \text{ x}} = \text{\_\_\_\_}$$

3. Tell whether the fractions are equivalent. Write *yes* or *no*.



4. Amanda has two wrapped chocolate bars that fall to the ground and break into pieces. She opens both chocolate bars and gives $\frac{1}{2}$ of one of the chocolate bars to Luis and $\frac{3}{7}$ of the other chocolate bar to Jenny. Luis complaints and says that is not fair! Luis wants to cut each of the chocolate bars into the same number of pieces so that he and Jenny can have the same number of pieces. How many pieces would that be?

Step 1: Find the multiples of 2: _____, _____, _____, _____, _____, ...

Find the multiples of 7: _____, _____, _____, _____, _____, ...

Step 2: What is the least common denominator (LCD)? _____

The chocolate bars have to be cut into _____ pieces each.