3A.6 **Learning Opportunity**

Name: _____

Fraction Operations using GCF and LCM

Fill in each ◯ with <, >, or = to make a true statement.

1) $\frac{7}{48}$ ◯ $\frac{10}{72}$

2) $\frac{59}{63}$ ◯ $\frac{17}{18}$

3) Arrange the numbers below in order from least to greatest.

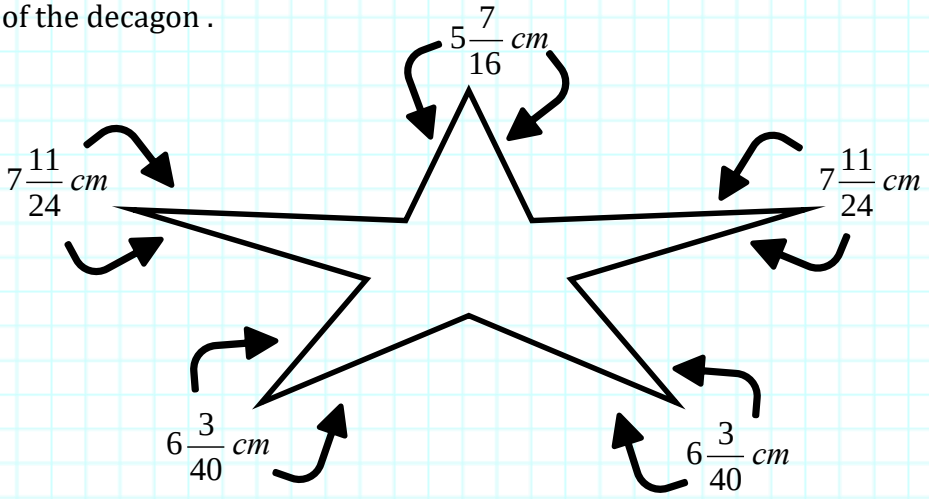
$$\frac{5}{12}, \quad \frac{5}{14}, \quad \frac{31}{72}$$

Simplify the fractions below.

4) $\frac{210}{315}$

5) $\frac{180}{405}$

6) Find the perimeter of the decagon .



7) **Challenge:** Using each number only once, use the numbers 2, 4, 6, and 8 to write an expression with two proper fractions that have:

a) The largest possible sum

b) The largest possible difference

c) The smallest possible sum

d) The smallest possible difference