Fractions

Fill in the guided notes as you watch the video in the Digital Toolbox.

- _____ must have the same _____ in order to add or subtract them.
- Write mixed numbers as improper fractions _____ multiplying or dividing.

> It is helpful to rewrite all mixed numbers as improper fractions before performing any operations.

- Fractions do not need to be written as mixed numbers, but they do need to be _____ .
- When directions say _____ , calculate the value by performing the given operation on the fraction and then write it in simplest form.
- Simplest form means that the _____ of the numerator and denominator is _____ .

Example 1

Complete the example as you watch the video in the Digital Toolbox.

Evaluate.

$$2\frac{4}{7}-\left(-\frac{2}{3}\right)$$

Implement	**Explain**
	Rewrite the mixed number as an improper fraction Simplify the double negative and find the LCD
	Write fractions with the LCD
	Add the numerators

Example 2

Complete the example as you watch the video in the Digital Toolbox.

Evaluate.

$$-3\frac{1}{5} \div \left(1\frac{1}{3}\right)$$

Implement

Explain

Rewrite mixed fractions as improper fractions

Take the reciprocal of the fraction after the division symbol
Simplify fractions

Practice

Evaluate. Show your work. Answers do not need to be written as mixed numbers.

1) $-4\frac{2}{3} - \left(-\frac{4}{5}\right)$

2) $3\frac{3}{4} \cdot 2\frac{2}{13}$

3) $\frac{7}{12} - \frac{1}{3}$

4) $\frac{9}{10} \div 1\frac{1}{2}$

5) $2\frac{3}{4} - \frac{5}{6}$

6) $-3\frac{2}{5} \div 1\frac{2}{7}$

Evaluate. Show your work. Answers do not need to be written as mixed numbers.

7) $\frac{3}{4} \cdot 2\frac{2}{9}$

8) $-\frac{2}{5} - 5\frac{1}{3}$

9) $\frac{5}{9} - \frac{5}{6}$

10) $\frac{8}{21} \div \frac{9}{14}$

11) $2\frac{2}{5} \cdot \frac{9}{16}$

12) $4\frac{2}{3} - 1\frac{1}{8}$