



8th Grade Lesson 46

- I can simplify fractions using order of operations.

Simplify:

$$\frac{3}{20} + \frac{3}{2} \div \frac{5}{2}$$

$$\frac{3}{20} + \frac{3}{\cancel{2}} \cdot \frac{\cancel{2}}{5}$$

$$\frac{3}{20} + \frac{3 \cdot 2}{5 \cdot 20}$$

$$\frac{15}{20} = \left(\frac{3}{4}\right)$$

$$\frac{5}{7} - \frac{1}{\cancel{10}} \cdot \frac{\cancel{4}^2}{5}$$

$$\frac{\cancel{25}}{175} \frac{\cancel{5}}{7} - \frac{\cancel{2}}{25} \frac{4}{175}$$

$$\left(\frac{111}{175}\right)$$

Simplify:

$$\frac{9}{7} - \frac{3}{7} \cdot \frac{5}{2}$$

$$\frac{18}{14} - \frac{15}{14}$$

$$\frac{3}{14}$$

$$4\frac{1}{5} + 2\frac{1}{3} \cdot 5$$

$$4\frac{1}{5} + \frac{7}{3} \cdot \frac{5}{1}$$

$$4\frac{1}{5} + \frac{35}{3}$$

$$4\frac{1}{5} + 11\frac{2}{3}$$

$$4\frac{3}{15} + 11\frac{10}{15}$$

$$15\frac{13}{15}$$



Assignment:

Problem Set 46