Mixed Numbers

Re-write this mixed number as a sum of 'whole fractions' and a proper fraction. Then add those fractions up.

$$2\frac{1}{4} = 1 + 1 + \frac{1}{4}$$
$$= \frac{4}{4} + \frac{4}{4} + \frac{1}{4} = \frac{9}{4}$$

Re-write this mixed number as a sum of 'whole fractions' and a proper fraction. Then add those fractions up.

$$3\frac{2}{5} = 1 + 1 + 1 + \frac{2}{5}$$
$$= \frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{2}{5} = \frac{17}{5}$$

Redo problem 2 using multiplication instead of repeated addition like you saw in the video. (Show your work.)

$$3\frac{2}{5} = 3 \times \frac{5}{5} + \frac{2}{5}$$
$$= \frac{15}{5} + \frac{2}{5} = \frac{17}{5}$$

4 Use the method you used in problem 3 to convert this mixed number into an improper fraction.

$$8\frac{1}{3} = 8 \times \frac{3}{3} + \frac{1}{3}$$
$$= \frac{24}{3} + \frac{1}{3} = \frac{25}{3}$$

Subtract a 'whole fraction' from this improper fraction. Is the leftover fraction proper or improper?

$$\frac{9}{4} - \frac{4}{4} = \frac{5}{4}$$
 Improper

How many 'whole fractions' could be subtracted from this improper fraction? (Hint: use division)

$$\frac{20}{3}$$
 $\frac{6}{3}$ $\frac{6}{20}$ $\frac{18}{2}$

Convert this improper fraction into a mixed number using division.

$$\frac{10}{7} = \underbrace{1\frac{3}{7}}_{7} \underbrace{7\frac{1}{10}}_{7}$$

Convert this improper fraction into a mixed number using division.

$$\frac{2}{1} = 2\frac{1}{4}$$
 $4\frac{2}{9}$ $\frac{2}{1}$

Onvert this improper fraction into a mixed number using division.

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

Convert this improper fraction into a mixed number using division.

$$\frac{28}{5} = 5$$
 $\frac{5}{5}$
 $\frac{5}{5}$
 $\frac{5}{28}$
 $\frac{-25}{3}$