

## Chapter 3-3

Adding and Subtracting Mixed Numbers

SWBAT add mixed numbers with renaming them.

What is a mixed number?

Write each improper fraction as a mixed number in simplest form.

$$\frac{9}{2} = 4\frac{1}{2} \quad \frac{10}{3} = 3\frac{1}{3}$$

$$\frac{8}{6} \quad \frac{25}{10}$$

Adding Mixed Numbers:

Find the sum of:  $10\frac{1}{5} + 6\frac{2}{5} = 16\frac{3}{5}$

$$7\frac{3}{4} + 1\frac{2}{4}$$

Adding Mixed #'s with Different Denominators

FIND LCM

$$4\frac{3}{4} \times \frac{3}{3} = 4\frac{9}{12}$$

$$3\frac{2}{3} \times \frac{4}{4} = 3\frac{8}{12}$$

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$$7\frac{17}{12}$$

$$7 + 1\frac{5}{12} = 8\frac{5}{12}$$

Subtracting Fractions with renaming

$$6\frac{1}{9} - 2\frac{2}{3}$$

$$6\frac{1}{9} - 2\frac{6}{9}$$

$$5 + \frac{9}{9} + \frac{1}{9}$$

$$5\frac{10}{9} - 2\frac{6}{9} = 3\frac{4}{9}$$

A giant tortoise traveled  $8 \frac{1}{3}$  yards and stopped. Then it traveled  $6 \frac{1}{2}$  yards more. Find the total distance the tortoise traveled.

Adding mixed numbers.

$$15 \frac{5}{6} + 3 \frac{1}{2}$$

A sports team practiced for two and a half hours on Monday and for an hour and a half on Tuesday. How long did the team practice?