3.8 Add & Subtract Fractions p. 186

3.9 Add & Subtract Mixed Numbers p. 190

12/12/17

$$\frac{3}{10} + \frac{1}{10} = \frac{4}{10}$$
lowest terms
$$\frac{4}{10} = \frac{2}{10}$$

Dec 12-10:53 AM

Dec 12-10:48 AM

All answers in lowest terms.

$$\frac{7}{9} - \frac{4}{9} = \frac{3}{9} = \frac{3}{3} = \frac{3}{3}$$

## Two Ways to Find a Common Denominator

- Find the LCM (least common multiple) of the denominators.
- Multiply the denominators.

$$\frac{\frac{3}{8} + \frac{5}{12}}{\frac{3}{8} \cdot \frac{3}{5}} = \frac{9}{24} + \frac{5}{12} \cdot \frac{2}{24} + \frac{19}{24}$$

$$\frac{1}{10} - \frac{5}{8}$$

$$\frac{1}{10} \cdot \frac{4}{40}$$

$$-\frac{5}{8} \cdot \frac{5}{40}$$

$$-\frac{21}{40}$$

Dec 12-10:50 AM

Dec 12-10:50 AM

From January 1 to March 14, Earth completes about  $\frac{1}{5}$  of its orbit, while Venus completes about  $\frac{1}{3}$  of its orbit. How much more of its orbit does Venus complete than Earth?

Dec 12-10:51 AM

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

$$\frac{6}{5} = \boxed{\frac{1}{5}}$$

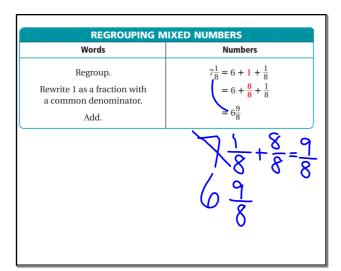
$$\boxed{\frac{1}{5}}$$

$$1\frac{2}{15} + 7\frac{1}{6}$$

$$1\frac{2}{15} \cdot 2\frac{4}{30}$$

Dec 12-10:52 AM

Dec 12-10:52 AM



$$10\frac{7}{9} - 4\frac{2}{9}$$

Dec 12-10:52 AM Dec 12-10:52 AM

$$12\frac{7}{8} - 5\frac{17}{24}$$

$$72\frac{3}{5} - 63\frac{4}{5}$$

$$72\frac{3}{5} + \frac{5}{5} = \frac{8}{5}$$

$$-\frac{3}{4}\frac{4}{5}$$

$$\frac{4}{5}$$

Dec 12-10:52 AM

$$14\frac{1}{4} - 10\frac{3}{4}$$

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

$$-\frac{3}{4} - \frac{3}{4} = \frac{1}{2}$$

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

$$9 \times 2 = \frac{4}{18} + \frac{18}{18} = \frac{22}{18}$$

$$-4\frac{5}{6} = \frac{15}{18}$$

$$-5\frac{7}{18}$$