

Section 3.3 Subtraction, Order, and Applications

Subtract and simplify.

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

$$5) \frac{8}{25} - \frac{1}{20}$$

$$2) \frac{31}{41} - \frac{19}{41}$$

$$6) \frac{17}{50} - \frac{7}{150}$$

$$3) \frac{1}{6} - \frac{1}{13}$$

Use < or > for \square to write a true sentence.

$$7) \frac{10}{13} \square \frac{9}{13}$$

$$4) \frac{3}{4} - \frac{5}{12}$$

$$8) \frac{4}{7} \square \frac{4}{5}$$

$$9) \frac{14}{11} \square \frac{19}{13}$$

Solve.

- 13) Erika spent $\frac{3}{4}$ hr on her computer visiting the history channel and the discovery channel websites. She spent $\frac{1}{3}$ hr at the history channel website. How many hours did she spend at the discovery channel website?

Solve and simplify.

$$10) x + \frac{4}{7} = \frac{5}{7}$$

- 14) Johanna has a $\frac{3}{4}$ - lb mixture of cashews and peanuts that includes $\frac{7}{20}$ lb of cashews. How many pounds of peanuts are in the mixture?

$$11) x + \frac{1}{3} = \frac{5}{6}$$

- 15) From a $\frac{7}{8}$ -lb package of ground beef, a $\frac{1}{3}$ -lb hamburger was made. How much ground beef is left in the package?

$$12) p + \frac{1}{8} = \frac{3}{4}$$