

Adding and Subtracting Fractions



Overview of problems



Example Set: A

Find each sum or difference. Write your answer in simplest form.

$$\frac{6}{7} - \frac{1}{7}$$

$$\frac{3}{15} + \frac{2}{15}$$

$$\frac{19}{3} + \frac{2}{3}$$

$$4\frac{2}{5} - \frac{12}{5}$$



Example Set: B

Find each sum or difference. Write your answer in simplest form.

$$\frac{3}{10} + \frac{2}{5}$$

$$\frac{4}{7} - \frac{1}{3}$$

$$\frac{5}{8} + \frac{7}{10}$$

$$6 - \frac{4}{5}$$



Example Set: C

Find each sum or difference. Write your answer in simplest form.

$$3\frac{1}{4} + \frac{2}{14}$$

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

$$5\frac{2}{9} + 2\frac{1}{3}$$

$$16\frac{11}{12} - 10\frac{2}{3}$$



Example Set: D

Evaluate the expression using the following values for a, b and c. Write your answer in simplest form.

$$a = \frac{1}{2} \quad b = \frac{2}{3} \quad c = \frac{4}{5}$$

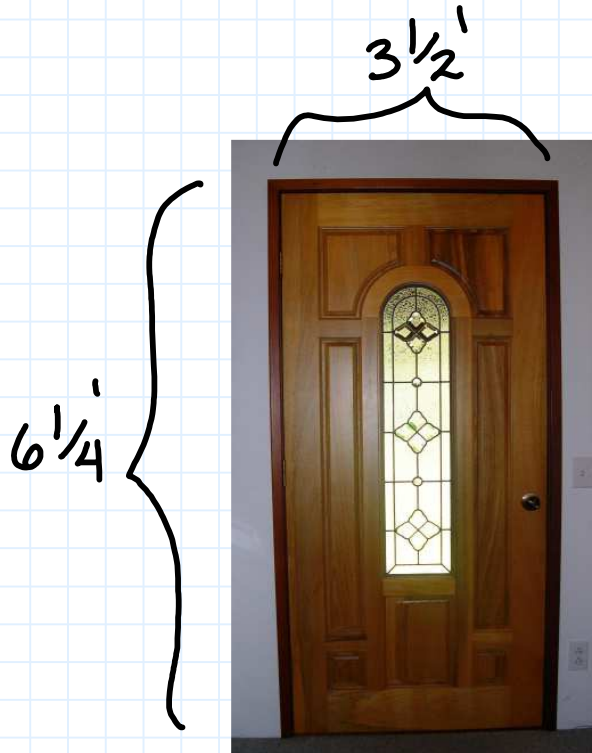
$$ab + c$$

$$a + b + c$$



Example Set: E

A construction worker wants to install molding around the door. How many inches of molding will be needed?



Adding and Subtracting Fractions



Overview of problems- KEY



Example Set: A

Find each sum or difference. Write your answer in simplest form.

$$\frac{6}{7} - \frac{1}{7} = \frac{5}{7}$$

$$\frac{3}{15} + \frac{2}{15} = \frac{1}{3}$$

$$\frac{19}{3} + \frac{2}{3} = 7$$

$$4\frac{2}{5} - \frac{12}{5} = 2$$



Example Set: B

Find each sum or difference. Write your answer in simplest form.

$$\frac{3}{10} + \frac{2}{5} = \frac{7}{10}$$

$$\frac{4}{7} - \frac{1}{3} = \frac{5}{21}$$

$$\frac{5}{8} + \frac{7}{10} = \frac{53}{40}$$

$$6 - \frac{4}{5} = \frac{26}{5}$$



Example Set: C

Find each sum or difference. Write your answer in simplest form.

$$3\frac{1}{4} + \frac{2}{14} = \frac{23}{7}$$

$$2\frac{2}{3} - 1\frac{1}{4} = \frac{17}{12}$$

$$5\frac{2}{9} + 2\frac{1}{3} = \frac{68}{9}$$

$$16\frac{1}{12} - 10\frac{2}{3} = \frac{25}{4}$$



Example Set: D

Evaluate the expression using the following values for a, b and c. Write your answer in simplest form.

$$a = \frac{1}{2} \quad b = \frac{2}{3} \quad c = \frac{4}{5}$$

$$ab + c$$

$$\frac{17}{15}$$

$$a + b + c$$

$$\frac{59}{30}$$



Example Set: E

A construction worker wants to install molding around the door. How many inches of molding will be needed?

