

# Math Practice Sheets

Arithmetic of Fractions and Mixed Numbers Part I

Student Name

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Examples

Practice Questions

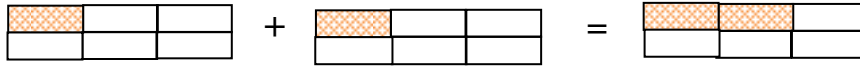
Extra Challenge Unit

**Unit  
10.1**

**Adding and Subtracting Fractions with Like Denominators**

**Example**

Juliet plants a young oak tree in her backyard. The distance around the trunk grows at a rate of  $\frac{1}{6}$  inch per month. Use pictures to model how much this distance will increase in two months then write your answer in simplest form.



$$\frac{1}{6} + \frac{1}{6}$$

$$\frac{1}{6} + \frac{1}{6} = \frac{1+1}{6}$$

$$= \frac{\cancel{1}^1 \cancel{2}^2}{\cancel{3}^3 \cancel{6}^2} = \frac{1}{3}$$

Add the numerators. Keep the same denominator.

Write your answer in simplest form.

Evaluate for  $x = \frac{5}{8}$  in  $\frac{11}{8} - x$ .

$$\frac{11}{8} - x$$

Write the expression.

$$\frac{11}{8} - \frac{5}{8} = \frac{11-5}{8} = \frac{\cancel{6}^3}{\cancel{8}^4} = \frac{3}{4}$$

Substitute  $\frac{5}{8}$  for  $x$  and subtract the numerators. Keep the same denominator. Write your answer in simplest form.

**Exercise**

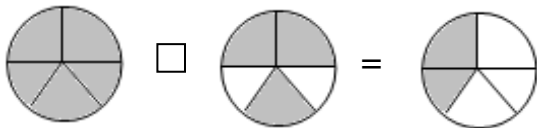
1. Write these fractions appropriately as addition or subtraction. Then solve.

a)



$$\frac{1}{5} \square \frac{2}{5} = \frac{1 \square 2}{5} = \frac{\square}{5}$$

b)



$$\frac{5}{5} \square \frac{3}{5} = \frac{5 \square 3}{5} = \frac{\square}{5}$$

c)

