

# Challenge Problems

## 6.1

NAME \_\_\_\_\_

**Module 6**      **Computational Fluency of Fractions**  
**Lesson 1**      **Adding and Subtracting Fractions with Like Denominators**

### Set 1

1

Glen added  $\frac{1}{8} + \frac{3}{8}$  and said that the answer was  $\frac{4}{16}$ , or  $\frac{1}{4}$ . Find and explain Glen's error.

2

When is the sum of two fractions with like denominators equal to one? Make an example.

### Set 2

**Evaluate.**

1

$$\frac{7}{8} + \frac{2}{8} - \frac{1}{8}$$

2

For what value of  $n$  is the expression  $\frac{11}{12} - \frac{n}{12}$  equal to  $\frac{1}{2}$ ? Explain how you know.

# Additional Work Area