

Name \_\_\_\_\_

Date \_\_\_\_\_

## Estimating Differences Lesson and Practice

Estimate sums and differences with fractions.

$$9\frac{3}{7} - 8\frac{1}{7}$$

To round a mixed number to the nearest whole number, look at the fraction part. If the fraction is less than  $\frac{1}{2}$ , round down. If the fraction is greater than or equal to  $\frac{1}{2}$ , round up.

To solve this example we first round off first number i.e.  $9\frac{3}{7}$ . Here  $\frac{3}{7}$  equals to 0.42 which is less than half; so we will round it down to zero. So  $9\frac{3}{7}$  becomes 9

Now we round off second number i.e.  $8\frac{1}{7}$ . Here  $\frac{1}{7}$  equals to 0.14 which is also less than half; so we will round it down to zero. So  $8\frac{1}{7}$  becomes 8

So the expression becomes  $9 - 8$

Calculating the subtraction, we find the difference is 1. So the result is 1.

**Answer: 1**

Practice Problems.

1	$19\frac{2}{3} - 5\frac{1}{2}$	2	$8\frac{4}{7} - 3\frac{1}{4}$
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