## Student Activity Book

## Fraction Operations (SAB p. 423) **Homework**

Questions 1-5

Rule: Add  $\frac{1}{2}$ 

Input	Output
3/2	$\frac{4}{2} = 1$
2/3	$\frac{7}{6} = 1\frac{1}{6}$
<del>7</del> 10	$\frac{12}{10} = 1\frac{2}{10} = 1\frac{1}{5}$
1/4	<u>3</u> 4
3 <del>1</del>	$3\frac{5}{6}$

2. Rule: Subtract ½

Input	Output
7/2	$\frac{6}{2} = 3$
4 5	$\frac{3}{10}$
<u>9</u> 10	$\frac{4}{10} = \frac{2}{5}$
<u>6</u>	<u>5</u> 14
2	$1\frac{1}{2}$

Rule: Multiply by  $\frac{1}{2}$ 

Input	Output
<u>2</u> 3	$\frac{2}{6} = \frac{1}{3}$
1/4	$\frac{1}{8}$
5	$\tfrac{5}{2}=2\tfrac{1}{2}$
1 <del>1</del> /2	$\frac{\frac{3}{4}}{\frac{3}{16}}$
3 8	3 16

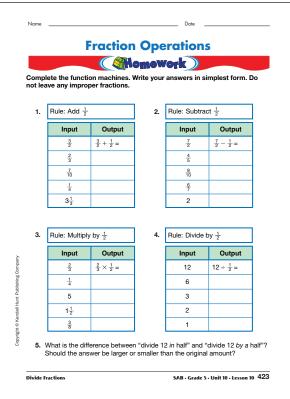
**5.** Possible response: 12 divided in half is  $12 \div 2 = 6$ . 12 divided by a half is

 $12 \div \frac{1}{2} = 24$ . You are trying to find out how many halves are in 12, so the answer (24) will be greater than the original amount (12.)

4.

Input	Output
12	24
6	12
3	6
2	4
1	2

Rule: Divide by  $\frac{1}{2}$ 



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