

Name: Class:

Multiply fractions by whole numbers: input/output tables

Complete the following tables. Simplify your answer.

a.

Rule: $x \frac{1}{3}$	
Input	output
0	
9	
15	
24	

b.

Rule: $x \frac{9}{10}$	
Input	output
2	
4	
6	
8	

c.

Rule: $x \frac{1}{6}$	
Input	output
6	
12	
18	
24	

Name: Class:

Multiply fractions by whole numbers: input/output tables

Complete the following tables. Simplify your answer.

a.

Rule: $\times \frac{1}{3}$	
Input	output
0	0
9	3
15	5
24	8

To solve this, multiply each number from the input column by $\frac{1}{3}$. Then simplify your answer.

$$0 \times \frac{1}{3} = 0 \qquad 9 \times \frac{1}{3} = 3$$

$$15 \times \frac{1}{3} = 5 \qquad 24 \times \frac{1}{3} = 8$$

b.

Rule: $\times \frac{9}{10}$	
Input	output
2	$1\frac{4}{5}$
4	$3\frac{3}{5}$
6	$5\frac{2}{5}$
8	$7\frac{1}{5}$

To solve this, multiply each number from the input column by $\frac{9}{10}$. Then simplify your answer.

$$2 \times \frac{9}{10} = \frac{18}{10} = 1\frac{4}{5} \qquad 4 \times \frac{9}{10} = \frac{36}{10} = 3\frac{3}{5}$$

$$6 \times \frac{9}{10} = \frac{54}{10} = 5\frac{2}{5} \qquad 8 \times \frac{9}{10} = \frac{72}{10} = 7\frac{1}{5}$$

c.

Rule: $\times \frac{1}{6}$	
Input	output
6	1
12	2
18	3
24	4

To solve this, multiply each number from the input column by $\frac{1}{6}$. Then simplify your answer.

$$6 \times \frac{1}{6} = \frac{6}{6} = 1 \qquad 18 \times \frac{1}{6} = \frac{18}{6} = 3$$

$$12 \times \frac{1}{6} = \frac{12}{6} = 2 \qquad 24 \times \frac{1}{6} = \frac{24}{6} = 4$$