

Name _____ Date _____

**Skills Maintenance****Finding the Mathematical Operation****Activity 1**

Fill in the missing operation in each of the statements.

Model

$4 \text{ } _ \text{ } + \text{ } _ \text{ } = 8$

1. $3 \text{ } _ \text{ } 6 = 18$
2. $27 \text{ } _ \text{ } 3 = 9$
3. $3 \text{ } _ \text{ } 6 = 9$
4. $4 \text{ } _ \text{ } 3 = 7$
5. $27 \text{ } _ \text{ } 3 = 30$
6. $4 \text{ } _ \text{ } 3 = 12$
7. $3 \text{ } _ \text{ } 6 = -3$
8. $4 \text{ } _ \text{ } 3 = 1$

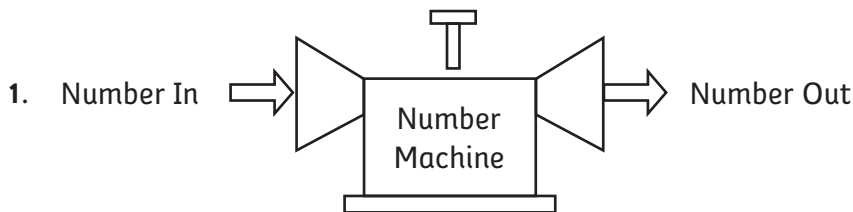


Name _____ Date _____

Apply Skills
Number Machines

Activity 1

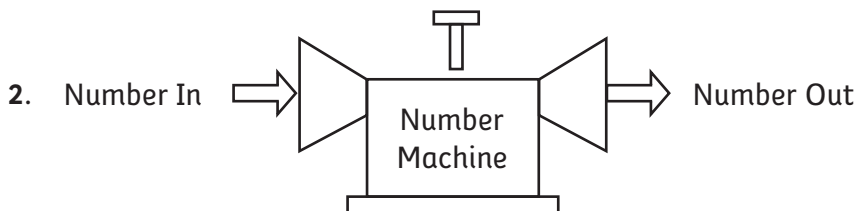
Tell what is being done to the input to get the output in each problem.
 Write the algebraic expression and fill in the missing numbers.



In	Out
3	9
40	120
	6
1	

Describe the pattern using words.

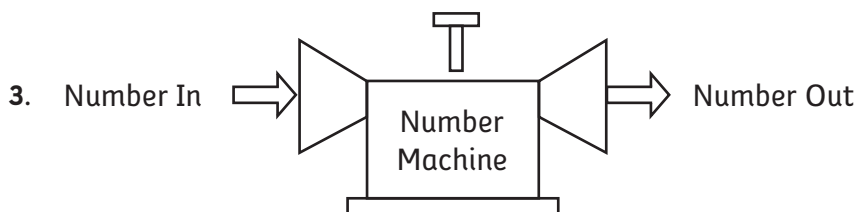
Write the pattern using algebra. _____



In	Out
7	63
10	
	9
9	81

Describe the pattern using words.

Write the pattern using algebra. _____



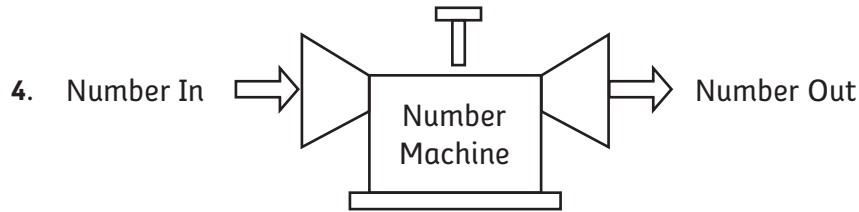
In	Out
	32
7	56
8	
80	640

Describe the pattern using words.

Write the pattern using algebra. _____

Unit 4

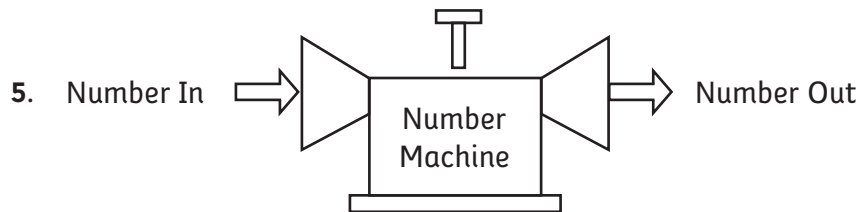
Name _____ Date _____



In	Out
	600
20	120
3	18
5	

Describe the pattern using words.

Write the pattern using algebra. _____



In	Out
612	0
5	0
1	
85	0

Describe the pattern using words.

Write the pattern using algebra. _____



Name _____ Date _____

**Problem-Solving Activity****Mixtures**

Answer the questions about ratios and percents. Make sure to figure out the difference between the parts and the whole. Remember to find the total amount in a mixture by adding the two parts together.

- Any soda that you get from a fast food restaurant is a combination of syrup and water. If you want to make a 12-ounce soda, just add three ounces of syrup to water.

What is the ratio of syrup to the soda? _____

What percent of the soda is water? _____

- The workers have to make plaster to fill in the hole in the wall. You make plaster by adding six ounces of water to 12 ounces of powder.

What is the ratio of water to the plaster mixture? _____

What percent of the mixture is powder? _____

- If you want to make pancakes, use flour, sugar, and baking powder. These are called the dry ingredients. You use eight ounces of flour, one ounce of sugar, and one ounce of baking powder to make a small batch of pancakes.

What is the ratio of sugar to the pancake mixture? _____

What percent of the mixture is flour? _____

- A snack mix has raisins, peanuts, cereal, and chocolate candies. Make the mix by adding two cups of raisins, three cups of peanuts, three cups of cereal, and two cups of chocolate candies.

What is the ratio of cereal to mix? _____

What is the ratio of peanuts to chocolate candies? _____

What percent of the mix is raisins? _____

**mBook Reinforce Understanding**

Use the mBook *Study Guide* to review lesson concepts.