

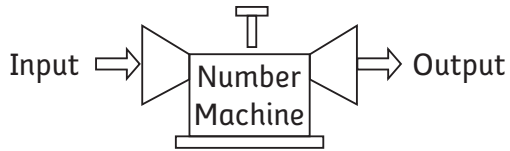


# Homework

## Activity 1

Select the correct algebraic pattern that matches the number machine. In each problem,  $n$  represents the input value.

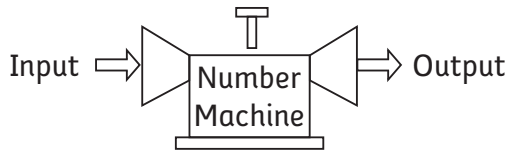
1. Select the correct pattern.



- (a)  $n + 8$       (b)  $n \cdot 8$       (c)  $n \div 8$

Input	Output
24	3
16	2
1	$\frac{1}{8}$
56	7

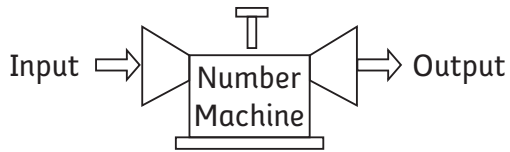
2. Select the correct pattern.



- (a)  $n - 1$       (b)  $n \cdot 1$       (c)  $n \div 1$

Input	Output
15	14
111	110
1	0
5	4

3. Select the correct pattern.



- (a)  $n + 1$       (b)  $n \cdot 0$       (c)  $n - 0$

Input	Output
5	5
16	16
$\frac{1}{6}$	$\frac{1}{6}$
3.2	3.2

## Homework

## Activity 2

Write the operation (+, −, ×, ÷) that makes the following statements true.

1.  $5 \underline{\hspace{1cm}} 7 = 12$
2.  $8 \underline{\hspace{1cm}} 6 = 48$
3.  $42 \underline{\hspace{1cm}} 7 = 6$
4.  $8 \underline{\hspace{1cm}} 6 = 2$
5.  $42 \underline{\hspace{1cm}} 7 = 35$
6.  $35 \underline{\hspace{1cm}} 7 = 5$

## Activity 3

Answer the questions about the recipe proportions.

Here are the ingredients for making a bouncing ball:

6 parts water

3 parts white glue

2 parts corn starch

1 part borax soap

1. If you use 6 cups of water, how much white glue will you use?
2. If you use 1 cup of Borax soap, how much corn starch will you use?
3. If you use 3 cups of white glue, how much corn starch will you use?
4. If you use 12 cups of water, how many cups of Borax soap will you need?

## Activity 4 • Distributed Practice

Solve.

1.  $\frac{4}{5} - \frac{3}{10} = a$
2.  $200.2 \cdot 2 = b$
3.  $\frac{10}{12} \div \frac{1}{2} = c$
4.  $149.78 + 228.39 = d$
5. Write the decimal number 0.048 as a percent.
6. Write the fraction  $\frac{1}{100}$  as a decimal number.
7. Write 0.2% as a decimal number.
8. Write 0.5% as a fraction.