

Name:

Subject: Mathematics

## Inverse Operations



1. What is an **Operation**?

- **Adding** and **subtracting** are examples of **operations**.

2. What are **Inverse Operations**?

- **Inverse operations** are **opposite actions**. They **undo** each other.

3. Examples:

- **Addition** and **Subtraction**:



- If you add **3** and **2**, you get **5**. ( $3 + 2 = 5$ )



- If you start with **5** and **subtract 2**, you get back to **3**. ( $5 - 2 = 3$ )

**Remember:**

- **Addition** makes numbers **bigger**.
- **Subtraction** makes numbers **smaller**.

**Fun Fact:** Using **inverse operations** can help you **check** your work!

Use the pictures to help you complete the following.

1	2	3	
4	5		

$$5 + \underline{\quad} = 8$$

1	2	3	4
5	6	7	8

$$8 - 3 = \underline{\quad}$$

1	2	3	4		
5	6	7	8		

$$8 + \underline{\quad} = 12$$

1	2	3	4	5	6
7	8	9	10	11	12

$$12 - 8 = \underline{\quad}$$

			1	2	3
			4	5	6

$$\underline{\quad} + 6 = 12$$

1	2	3	7	8	9
4	5	6	10	11	12

$$12 - \underline{\quad} = 6$$

1	2	3		
4	5	6		

$$6 + \underline{\quad} = 10$$

1	2	3	7	8
4	5	6	9	10

$$10 - 6 = \underline{\quad}$$