



STRATEGY

Adding 0 to Numbers

Strategy

$$3 + 0 = 3$$

□ The sum of any number and 0 will always be the number.

Solve each problem mentally.

1. $6 + 0 =$

2. $2 + 0 =$

3. $0 + 10 =$

4. $0 + 5 =$

5. $0 + 1 =$

6. $9 + 0 =$

7. $7 + 0 =$

8. $0 + 3 =$

9. $8 + 0 =$

10. $0 + 4 =$

Working with Nothing

Let's learn the concept of 0.



Teacher: Clear a desk or a table. Place a pen and say: "There is one pen on the table." Ask: "Are there any pencils on the table?" The answer should be: NO.

Say: "There is one pen and no pencils on the table. In math we say, there is one pen and zero pencils on the table. Zero means nothing."

Exercise I

1. If my feet are bare, that means I am wearing zero socks.
2. If the road is empty, that means there are zero cars on the road.
3. The garage was empty. Until my mom parked her car in it, there were zero cars in the garage.
4. If no one puts money in a piggy bank, it has zero money.
5. Before I planted a rose in an empty garden, there were zero roses growing there.
6. After I took the last cookie from the jar, there were zero cookies left in the jar.
7. Ask your child to make examples of zero.

Exercise II

⇒ *The rule: If you add a zero to a number, the number does not change.*

$$1 + 0 = \quad 2 + 0 = \quad 3 + 0 = \quad 10 + 0 =$$

⇒ *The rule: If you add a number to a zero, the number does not change. It stays the same.*

$$0 + 1 = \quad 0 + 2 = \quad 0 + 5 = \quad 0 + 9 =$$

Exercise III

1. We had 2 pictures on the wall and put no new pictures up. How many pictures are on the wall?
2. A pet store had 4 birds in a cage. No new birds were put in the cage. How many birds are in the cage now?
3. There were 10 monkeys on a tree. No new monkeys came. How many monkeys are on the tree now?
4. The table was empty before I put 4 plates on it. How many plates are on the table now?
5. On an empty field. The construction crew built 5 houses on a field. How many houses are on the field now?
6. My backyard had no holes. Then 3 gophers dug 6 holes. How many holes are in my backyard now?
7. The page was empty. Then 2 children drew 3 squares in 4 minutes. How many squares are on the page now?