**Subject**:   Mathematics

**Level**:   Standard One

**Strand**:   Number

**Topic**:   **Problem Solving with Addition**

**At the end of this worksheet, you will be able to:**

- Solve one-step real-life addition problems, using pictorial and symbolic representation.

**Key Points**

- A one-step problem requires only one mathematical operation to solve it. These include; addition, subtraction, multiplication or division problems.

- Symbolic representation of one-step addition problems involves the use of digits and include the representation "+", which means to add.

  *Example:* Jared had **12 marbles**. His brother gave her **6 more**.
  How many marbles do Jared now have altogether?

- There are three ways you can solve these problems:
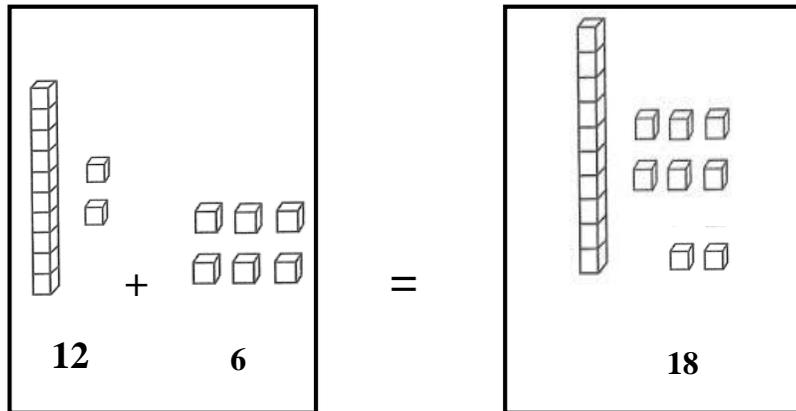  - Using **Pictures**



**12 marbles**   **+  6 marbles   =**   **18 marbles**

- Using **Tens and Ones Blocks**.



12 + 6 = 18

- Using **Place Value Chart**, 12 + 6 could have been done as follows:

**Step 1**: Place 12 and 6 in their correct positions using the place value chart.

| Tens | Ones |
|------|------|
| 1    | 2    |
| +    | 6    |
| 1    | 8    |

**STEP 2**

**Total the digits in the Ones Column:**
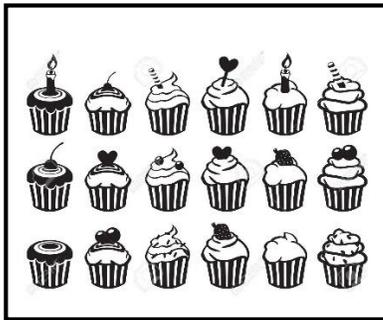
**i.e. 2 + 6 = 8**

**STEP 3**

**Total the digits in the Ones Column:**
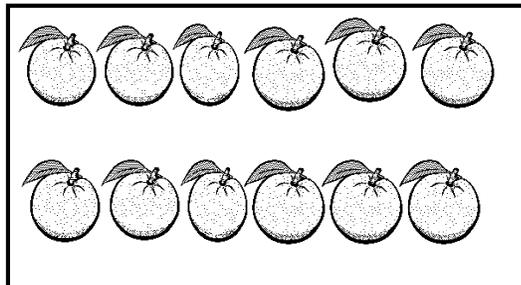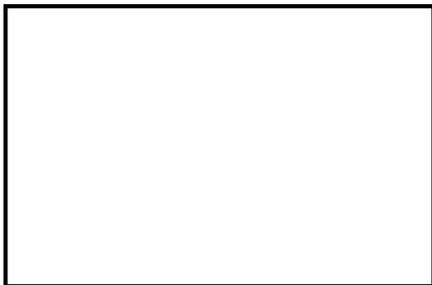
**i.e. 1 + 0 = 1**

# ACTIVITY 1

**INSTRUCTIONS: Complete the pictures to solve the problems below**.

1) At a birthday party, my friend Leila had **18 cupcakes**. My aunt brought **11 more cupcakes** to the party. If each of my friends got 1 cupcake, how many of my friends were at the party?

Answer = _____ **friends**

2) On the kitchen table there were **14 bananas** in one basket. In another basket there were **12 oranges**. Sandra counted all the fruits. What is the **total number** of fruits Sandra counted?

Answer = _____ **fruits**

3) The boys of Standard One were doing a car-washing project. On Saturday, they washed **15 cars** and on Sunday they washed **13 cars**. How many cars did the boys wash over the weekend?
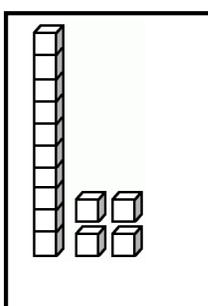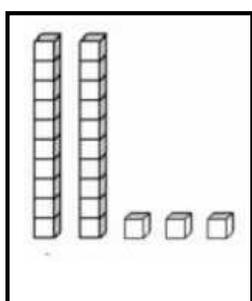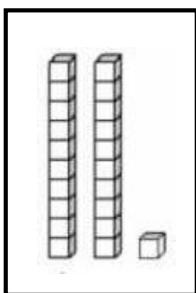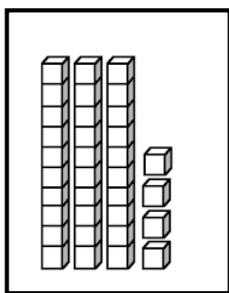
Answer = _____ **cars**

# ACTIVITY 2

## INSTRUCTIONS: Fill in the place value chart with the correct digits and symbols to solve the problem.

1. Cindy and her brother were collecting books for the school library. Cindy collected **23 books** and her brother collected **14 books**. What is the **total number** of books collected?
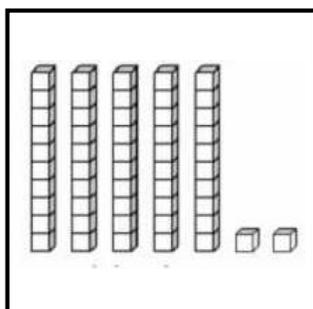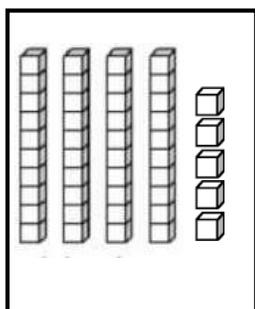
| Tens | Ones |
|------|------|
|      |      |
|      |      |

2. Ms. James was sharing pencils to the pupils in the hall. She gave **34 pencils** to the girls and **21 pencils** to the boys. How many pupils were in the hall?

| Tens | Ones |
|------|------|
|      |      |
|      |      |

3. Darren and his sister were saving money to buy gifts for Christmas. Darren saved **$45** and his sister saved **$52**. How much money did they saved altogether?

| Tens | Ones |
|------|------|
|      |      |
|      |      |

# ACTIVITY 1

**INSTRUCTIONS: Complete the pictures to solve the problems below**.

1. **29** friends

2. **26** fruits

3. **28** cars

# ACTIVITY 2

**INSTRUCTIONS: Fill in the place value chart to solve the problem.**

1.

| Tens | Ones |
|------|------|
| 2 | 3 |
| + 1 | 4 |
| **3** | **7** |

2.

| Tens | Ones |
|------|------|
| 3 | 4 |
| + 2 | 1 |
| **5** | **5** |

3.

| Tens | Ones |
|------|------|
| 4 | 5 |
| + 5 | 2 |
| **9** | **7** |