
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**



+



=

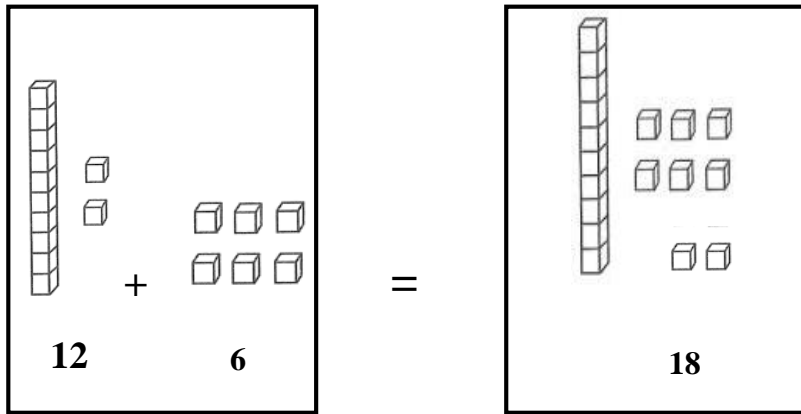


12 marbles

+ **6 marbles** **=**

18 marbles

- Using **Tens and Ones Blocks**.



- 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

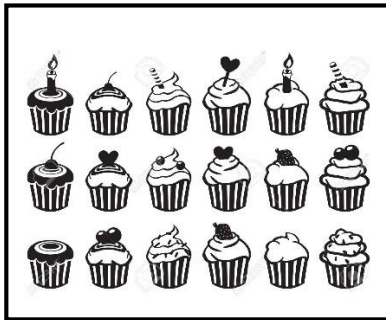
Total the digits in the Ones Column:

i.e. $1 + 0 = 1$

ACTIVITY 1

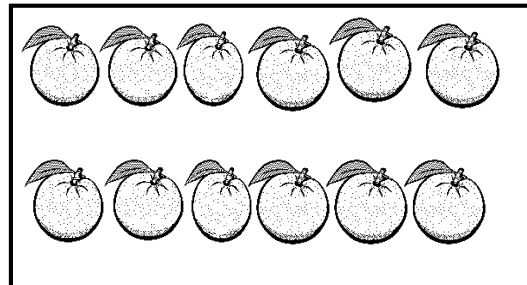
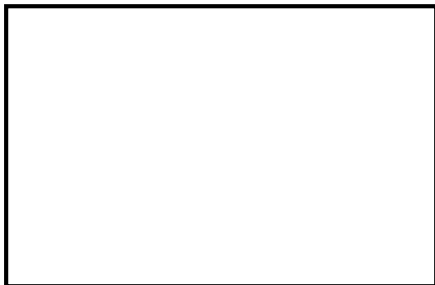
INSTRUCTIONS: Complete the pictures to solve the problems below.

- 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?

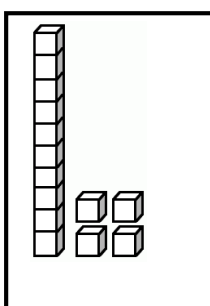
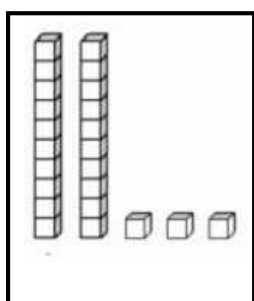


Answer = _____ cars

ACTIVITY 2

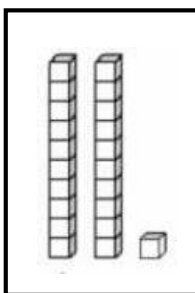
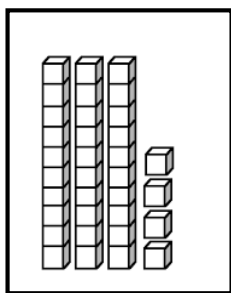
INSTRUCTIONS: Fill in the place value chart with the correct digits and symbols to solve the problem.

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?



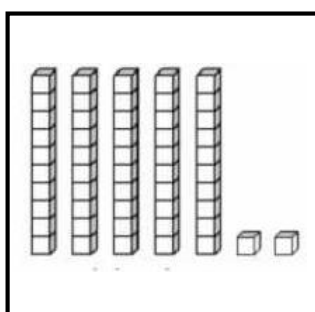
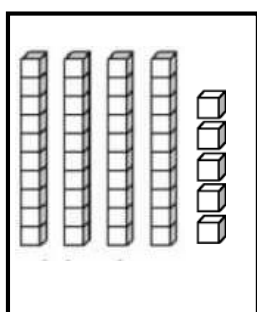
Tens	Ones

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

ANSWER KEY

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