

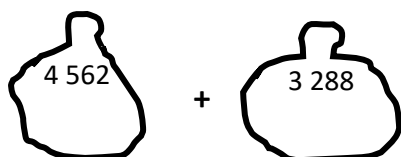
**Problem solving** is an opportunity to apply your calculation skills to 'real-life' situations. To do this, you need to will need to follow several steps, but first consider the problem below:

There are two bags of stones. One bag has **4 562** stones and the other bag has **3 288** stones. How many stones are there **in all**?

Step 1: I will read the problem two to three times before I attempt to answer.

Step 2: I will underline (and highlight) the two numbers in the problem and the operational keyword.

Step 3: I will draw a picture...



Step 4:  $4\ 562 + 3\ 288 = \square$

Step 5:  $4\ 000 + 3\ 000 = 7\ 000$

$$500 + 200 = 700$$

$$60 + 80 = 140$$

$$2 + 8 = 10$$

$$7\ 000 + 700 + 140 + 10 = 7\ 850$$

Therefore, there are **7 850 stones** in all.

Step 6: I will use the inverse operation to check my answer.

$$7\ 850 - 3\ 288 =$$

$$7\ 000 + 700 + 140 + 10 = 7\ 850$$

$$3\ 000 + 200 + 80 + 8 = 3\ 288$$

$$4\ 000 + 500 + 60 + 2 = 4\ 562$$

## STEPS for Solving Word Problems

- 1. Read the problem carefully.**

Maggie picks 2 flowers. Her mom gives her 2 more. How many flowers does Maggie have now?
- 2. Underline the facts you will need to solve the problem.**

Maggie picks 2 flowers. Her mom gives her 2 more. How many flowers does Maggie have now?
- 3. Draw a picture, if needed, to help you solve the problem.**
- 4. Write a number sentence for the problem.**

$2 + 2 =$
- 5. Solve the problem. Show your work.**

$2 + 2 = 4$
- 6. Check your answer.**




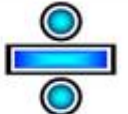
2 flowers  
 + 2 flowers  
 4 flowers

**NB: You must always write the final answer in words! Also write what it is that you're calculating i.e. stones**

## Activity 1

1. Calculate the answers to the following problems.  
Show all your working out.

- a. Jose sold 1 456 apples and 2 510 oranges. How many pieces of fruit did he sell altogether?
- b. Leon bought a cricket bag for R1 599 and a smartwatch for R1 099. What is the total sum of the money?
- c. There were 3 152 trees planted from January-June in the year 2 019. In the same year, 5 622 trees were planted from July-December. How many trees were planted in total?
- d. The media centre lent out 1 125 books in the first half of the year. That number increased by 1 038 in the second half of the year. How many books were issued by the end of the year?
- e. Two teams are competing against each other in skipping. Team A completes 2 412 skips and team B completes 1 784. What is the combined number of skips?

The Key Word in Word Problems	
 Add Sum Total All together Plus In all	 Multiply Product Times Twice Total Multiplied by
 Subtract Remain Difference Less than Fewer How many more Minus	 Divide Quotient Goes into Split Equally Each