



Working with number sentences

CAPS Statement

Patterns, functions and algebra;

Number sentences: Write number sentences to describe problem situations.

Note

A number sentence is an arrangement of numbers and symbols, for example:

$$6 + 4 = 10$$

$$7 - 5 = 2$$

$$48 \times 2 = 96$$

To solve a word problem you need to create a number sentence.

Activity 1

Complete the following word problems. For the last five (f - j) create your own word problems. Be creative and have fun.

Example

Word Problem	Operation +, -, ×, ÷	Number sentence
Jo received R259 for his birthday. He bought soccer shoes, shin guards and a soccer ball. He had R12 left over, how much did he spend on the soccer gear?	-	$R259 - R12 = R247$

Word Problem	+, -, ×, ÷	Number sentence
a There are 55 acacia trees currently in the botanical gardens. Park workers will plant more acacia trees today. When the workers are finished there will be 67 acacia trees in the park. How many acacia trees did the workers plant today?		



	Word Problem	$+, -, \times, \div$	Number sentence
(b)	There are 2098 books in the library. The librarian bought 113 books at a sale over the weekend and 48 books were donated. How many books are in the library?		
(c)	There are 2003 fish in Paul's aquarium. He gave 219 fish to a friend and his cat ate 2. How many fish does Paul have left?		
(d)	The gardener planted 48 azaleas, 18 daisy bushes and 107 tulip bulbs. How many flowers did the gardener plant?		
(e)	How many eggs are there in 6 dozen?		
(f)		$\div$	$108 \div 12 = 9$
(g)		$+$	$R\ 83.90 + R\ 34.40 = R\ 118.30$
(h)		$-$	$1608 - 238 - 56 = 1314$
(i)		$\times$	$86 \times 3 = 258$
(j)		$+$	$578 + 980 + 731 = 2289$

Teacher Tip

Allow learners time to discuss the word problems they created. Do they make mathematical sense?

