JSMat7 Lesson 1.1.4

Counting in trillions

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## **Introduction**

You learnt about counting in billions in the last lesson. You will learn about working in trillions in this lesson.

## **Purpose/Outcomes/Objectives**

By the end of the lesson, you will be better able to:

* Count in trillions
* Write numbers in trillions.

## **Counting billions**

In the last lesson, you were able to count in billions, that is from 1 000 000 000 to 10 000 000 000. From previous lessons you should be able to work out on your own how to identify and say numbers related to tens and hundreds of billions.

## **Activity 1**

**Purpose:** to practise identifying and saying numbers in billions

**Time:** 5 minutes

**Task:**

How would you **say** the following numbers?

1. 10 000 000 000
2. 200 000 000 000
3. 350 000 000 000

**Feedback:** if you had any difficulty, ask an adult to help you.

## **Activity 2**

**Purpose:** to practise identifying and writing numbers in billions

**Time:** 5 minutes

**Task:**

How would you **write** the following numbers?

1. 10 000 000 000
2. 200 000 000 000
3. 350 000 000 000

**Feedback:** if you had any difficulty, ask an adult to help you.

The answers are: a) ten billion, b) two hundred billion, c) three hundred and fifty billion

## **What happens if we add more zeros?**

If we have eleven zeros (100 000 000 000) this means one hundred billion.

Twelve zeros (1 000 000 000 000) then means one trillion.

We can write one trillion in a short way as 1t (one trillion).

## **Working in trillions**

## **Activity 3**

**Purpose:** to practise working with trillions

**Time:** 15 mins

Task:

1. Match the numerals in Column A with the correct words in Column B.

|  |  |  |
| --- | --- | --- |
|  | A | B |
| 1 | 1 000 000 000 000 | Five trillion |
| 2 | 2 000 000 000 000 | Four trillion |
| 3 | 3 000 000 000 000 | Two trillion |
| 4 | 4 000 000 000 000 | Three trillion |
| 5 | 5 000 000 000 000 | One trillion |

1. Complete the following table with the right numerals or words.

|  |  |  |
| --- | --- | --- |
|  | A | B |
| 1 | 5 000 000 000 000 |  |
| 2 |  | Six trillion |
| 3 | 7 000 000 000 000 |  |
| 4 |  | Nine trillion |
| 5 | 10 000 000 000 000 |  |

**Feedback:**

1. Ask an adult to listen to you count in trillions and to correct you if necessary.
2. 1A=5B, 2A=3B, 3A=4B, 4A=3B, 5A=1B
3. 1B = five trillion, 2A = 6 000 000 000 000, 3B = seven trillion, 4A = 9 000 000 000 000, 5B = Ten trillion

## **Conclusion**

We can observe that when another zero is added to a number, that gives us the next higher number. Recall that:

Numerals Words

* 1 000 000 000 One billion
* 10 000 000 000 Ten billion
* 100 000 000 000 One hundred billion
* 1 000 000 000 000 One trillion

**Source:**

This lesson was adapted from:

Olowookere, B. A., Ibidapo, A.O., Osasona, J.O., & Olutola, O. A. (2014). *Functional Mathematics for Junior Secondary Schools*. Melrose Books and Publishing Limited.

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