25SCHOOLS
FREE LEARNING NOTES FOR ZAMBIA

GRADE 1 · TERM 3

Mathematics

Use Whole Numbers in the Surrounding

Lesson notes for learners · Competence-Based Curriculum

INSIDE

1. Counting and friends of 10
2. Numbers from 11 to 20
3. Ten as a unit
4. Check yourself

Numbers are all around us. We use them at home, at school and at the market, often without thinking. In this note you will count things from 1 to 20, find friends of 10, put numbers in order, and see how 14 is made of one ten and four ones.

AFTER THESE NOTES YOU SHOULD BE ABLE TO

- Count things around you from 1 to 20
- Read and write the numbers 1 to 20
- Find the friends of 10
- Say which number comes before and after another number
- Show that numbers 11 to 19 are made of one ten and some ones

KEY WORDS

Whole number	A number we use for counting, like 1, 2, 3 and 10.
Friends of 10	Two numbers that make 10 when you put them together, like 7 and 3.
Ten	A group of 10 things tied or counted as one unit.
Ones	The single things left over after we make a group of ten.

1 Counting and friends of 10

Collect 10 leaves, 10 stones or 10 sticks. Count them one by one. Say the last number. That is how many you have.

You can also count in twos: 2, 4, 6, 8, 10. Or you can split 10 sticks into two groups. 5 sticks and 5 sticks make 10.

Some numbers are friends of 10. Seven and three make 10, so 7 and 3 are friends of 10. You can show friends of 10 with counters on a ten frame or with a number bond.

One number	Its friend	Together
7	3	10
5	5	10
6	4	10
8	2	10

Figure 1. Friends of 10

2 Numbers from 11 to 20

Count from 1 to 20. Look at a number strip with all the numbers from 1 to 20. Point to a number and read it.

Every number has a number that comes before it and one that comes after it. Before 12 comes 11. After 12 comes 13. You can put numbers in order from the smallest to the biggest.

Numbers can make patterns. Look at houses on a street. Some houses have numbers and some do not. Study the pattern. Each house number is one more than the one before it. Then you can write the missing house numbers.

3 Ten as a unit

Pick up some sticks, say 14. Count them. Then tie 10 sticks together to make one bundle. We call the bundle one ten. The sticks left over are the ones.

How many bundles do we have. One. How many sticks are left. Four. We say 14 is 1 ten and 4 ones. Can we make another bundle from the 4 sticks. No, because we need 10 sticks for a bundle.

Remember that one bundle is one unit. It is 10 sticks counted as one. A long strip of paper can stand for 1 ten and single stickers can stand for the ones.

Number	Tens	Ones
12	1	2
14	1	4
17	1	7
19	1	9

Figure 2. Numbers as tens and ones

TRY THIS

Collect 14 sticks, stones or leaves at home. Count them. Tie or loop 10 together. Say how many tens and how many ones. Then write the number 14.

REMEMBER

- We count things around us from 1 to 20
- Friends of 10 make 10, like 7 and 3
- Every number has one that comes before and one that comes after
- 10 things tied together make one ten
- 14 is 1 ten and 4 ones

? Check yourself

1. What number comes after 12 and what number comes before 12.
2. What is the friend of 7 that makes 10.
3. How many sticks make one bundle of ten.
4. Say 17 as tens and ones.
5. Chanda has 14 bottle tops. She ties 10 of them together with a string. (a) How many bundles of ten has she made. (b) How many bottle tops are left over. (c) Say 14 as tens and ones.
6. Mwila has 10 stones. He puts 6 stones in one pile and the rest in another pile. (a) How many stones are in the second pile. (b) Which number is the friend of 6 that makes 10. (c) Name another pair of friends of 10.

ANSWERS

1. After 12 comes 13. Before 12 comes 11.
2. 3.
3. 10 sticks.
4. 1 ten and 7 ones.
5. (a) 1. (b) 4. (c) 1 ten and 4 ones.
6. (a) 4. (b) 4. (c) Any pair that makes 10, such as 7 and 3 or 5 and 5.

Written by 25Schools to follow the Grade 1 Mathematics syllabus of the Zambian competence-based curriculum. Free for learners to read, download and share. More notes and quizzes at 25schools.com.