25SCHOOLS

FREE LEARNING NOTES FOR ZAMBIA

GRADE 2 · TERM 3

Mathematics

Time and Length

Lesson notes for learners · Competence-Based Curriculum

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We tell the time to know when to wake up, cook or go to work. We also measure how long things are. In this note you will learn to read full hours and half hours on an analogue clock, to think about how long an activity takes, and to measure length in metres.

AFTER THESE NOTES YOU SHOULD BE ABLE TO

- Name the hour hand and the minute hand
- Tell time in full hours and half hours on an analogue clock
- Say how long an activity takes
- Measure the length of an object using a metre ruler

KEY WORDS

Analogue clock	A clock with an hour hand and a minute hand.
Hour hand	The short hand that tells hours.
Minute hand	The long hand that tells minutes.
Duration	How long an activity takes.
Metre	A standard unit for measuring length.

1 Telling time on an analogue clock

An analogue clock has an hour hand and a minute hand. The hour hand is short and the minute hand is long. The long hand tells minutes. The short hand tells hours.

The minute hand moves faster than the hour hand. When the minute hand points to 12, we say o'clock. Seven o'clock in the morning is the same as 07:00 hours. Say if it is morning or night, because a day has both.

When the minute hand points to 6, we say half past. 07:30 hours means half past seven, because 30 minutes is half an hour. At half past seven, the hour hand is half way between 7 and 8.

Time	Minute hand points to	Hour hand
7 o'clock	12	At 7
Half past 7	6	Half way between 7 and 8

Figure 1. Reading the clock

2 How long does an activity take

Duration is how long an activity takes. We can time a task with a sand timer, with swings of a weighted object on a string, or with hand claps. We count the claps. The number of claps is how long the event lasted.

We can arrange daily routines from the one that takes the shortest time to the one that takes the longest time.

3 Measuring length in metres

We use standard units to measure length and width. The metre, written m, is one standard unit. Feel a metre ruler or a metre stick. Think about how long it is. Rulers, a measuring tape and a trundle wheel are tools for measuring length.

TRY THIS

Ask an adult to help you feel a metre stick or a long ruler at school. Use it to find how many metre lengths long your classroom wall is.

REMEMBER

- The hour hand is short and the minute hand is long
- When the minute hand points to 12 we say o'clock
- When the minute hand points to 6 we say half past
- Duration is how long an activity takes
- The metre is a standard unit of length

? Check yourself

1. Which hand tells the hours.
2. What do we say when the minute hand points to 6.
3. What does duration mean.
4. Name one standard unit of length.
5. Mulenga's mother says she woke up at five o'clock in the morning to prepare for the market in Feira. His teacher asks him to show it on a clock. (a) Where does the minute hand point. (b) Where does the hour hand point. (c) What should he say about the time of day.
6. Chanda's father leaves for work at 07:30 hours each morning. Chanda wants to show this time on a clock model at school. (a) How do we say this time. (b) Where does the minute hand point. (c) Where is the hour hand.

ANSWERS

1. The short hand, the hour hand.
2. Half past.
3. How long an activity takes.
4. The metre.
5. (a) At 12. (b) At 5. (c) That it is morning.
6. (a) Half past seven. (b) At 6. (c) Half way between 7 and 8.

Written by 25Schools to follow the Grade 2 Mathematics syllabus of the Zambian competence-based curriculum. Free for learners to read, download and share. More notes and quizzes at 25schools.com.