

Task-Based Activity: Measuring length and distance

Learner Name: _____ Date: _____

Pre self-assessment

I need to improve my skills at reading short texts and understanding measurement:
Yes

No

Activity

Measuring Length and Distance

In Canada we use the metric system. Sometimes you want to measure the length of something. Length is usually measured in millimetres, centimetres, decimeters and metres. For example, let's say you need a new blind for a window. You measure the window and find that it is 45 cm one way and 76 cm the other way. You tell the salesperson you need a blind that is 45 by 76 centimetres.

The length of boards is usually still measured using the imperial system. Many boards are 8 feet in length. Some are 12 or 16 feet in length. If boards are measured using the metric system they are measured using metres.

The length of some things is measured in metres. You may need to buy two or three metres of material to make a dress.

Distance is usually measured in metres, decametres or kilometres. The distance from one city to another is measured in kilometres. The distance run in a race may be measured in metres or kilometres. Centimetres and metres are used in sports contests like the high jump.

You'll find that you need to measure length and distance from time to time. The chart below tells you some of the conversions between different units of measurement.

10 millimetres = 1 centimetre

100 centimetres = 1 metre

10 decimetres = 1 metre

10 metres = 1 decametre

1,000 metres = 1 kilometre

Which metric unit of measure would you most likely use to measure the following items?

1. The height of a wall? _____
2. The length of a zipper? _____
3. The distance between two cities? _____
4. Your waist? _____
5. The length of a table? _____
6. The porch on a house? _____

Post self-assessment

I think my skills have improved as a result of completing this activity.

Yes

No

Learner comments:

Assessment

Task-Based Activity: Measuring length and distance

Learner Name: _____ Date: _____

Practitioner Name: _____

Performance Descriptors	Needs Work	Improving	Excellent
<p>A1.2: Read texts to locate and connect ideas and information</p> <ul style="list-style-type: none">• scans text to locate information• locates multiple pieces of information in simple texts• makes low-level inferences• makes connections between sentences and between paragraphs in a single text• follows the main events of descriptive, narrative and informational texts• obtains information from detailed reading• begins to identify sources and evaluate information <p>A2.1: Interpret very simple documents to locate specific details</p> <ul style="list-style-type: none">• scans to locate specific details• interprets brief text and common symbols• identifies how lists are organized (e.g. sequential, chronological, alphabetical)• requires support to identify sources and to evaluate and integrate information			

C3.1: Measure and make simple comparisons and calculations

- recognizes values in number and word format
- understands numerical order
- makes simple estimates
- chooses appropriate units (e.g. metres, inches) and non-standard units (e.g. paces, cupfuls, scoops)
- interprets and represents measures using symbols and abbreviations (e.g. inches as “, centimeters as cm, pounds as lbs, kilograms as kilos or kg)
- follows apparent steps to reach solutions

The learner needs to work on the following:

This task was successfully completed

This task needs to be tried again

Practitioner Comments:

Learner Comments: