

## Lesson 1.2: Measuring Instruments

Complete the *Practice* below. When you have completed all the questions for *Lesson 1.2 Practice – II* with your best work, mark your work by first comparing your answers to the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.



### Practice – II

1. A vernier caliper is much more precise than a ruler. That is, it is capable of taking much finer measurements. Describe a reason someone may choose to use a ruler instead of a vernier caliper if both tools are available.

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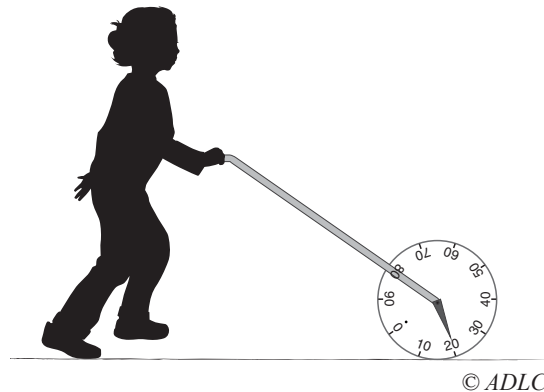
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2. This diagram shows a child walking with a measuring instrument called a trundle wheel.



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- a. Explain how the trundle wheel measures a distance.

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- b. There are numbers written on the trundle wheel. What unit do you expect these values represent?

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- c. Describe a situation where a trundle wheel would make a good measuring instrument.

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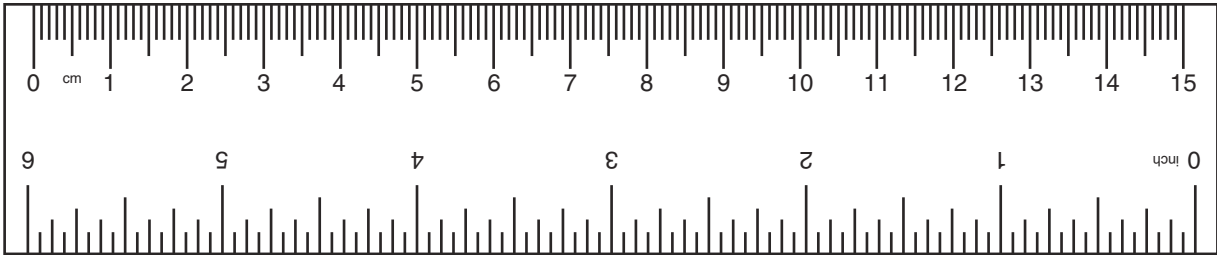
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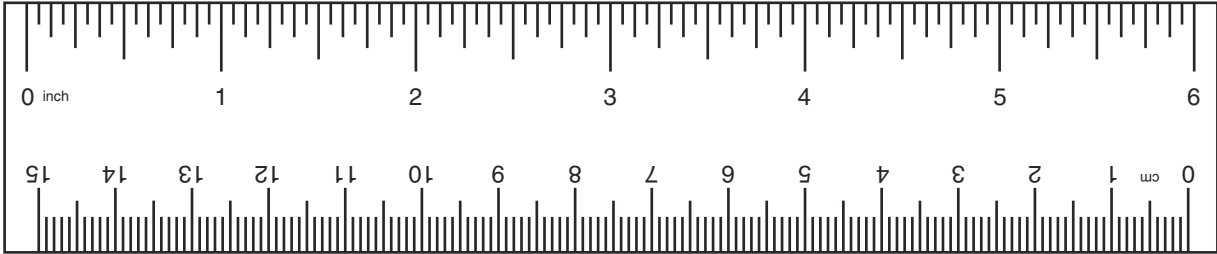
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3. Indicate each of the following measurements on the diagram provided.

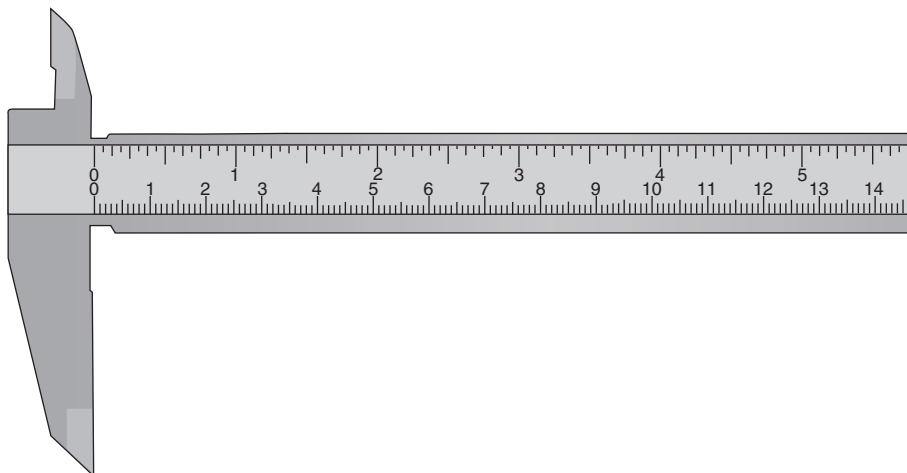
- a. a metric ruler showing 5.4 cm



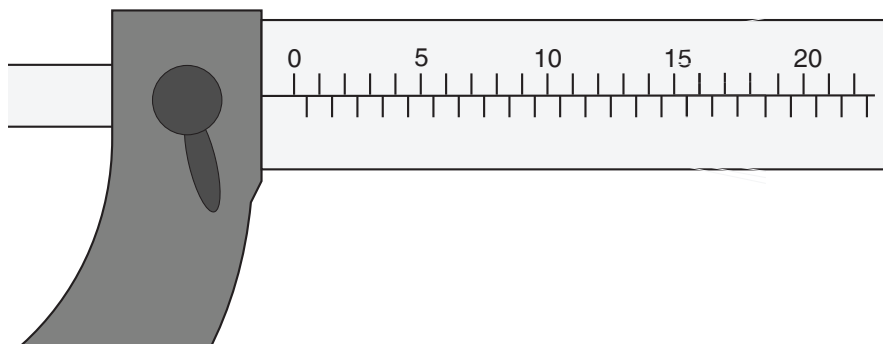
- b. an imperial ruler showing  $4\frac{11}{16}$  in



- c. a vernier calliper showing 37.4 mm (Your sketch only needs to show where important lines will be.)



- d. a micrometer showing 6.28 mm (Your sketch only needs to show where important lines will be.)



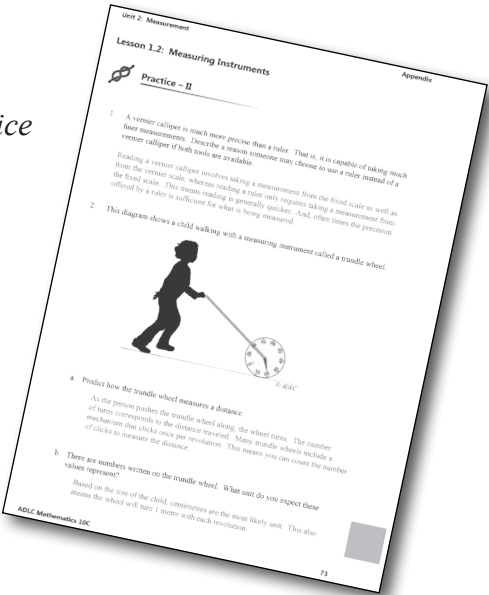
Mark your work for *Lesson 1.2 Practice – II* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

Transfer your self-assessed mark to the front cover of the *Workbook*.

My self-assessed mark on *Lesson 1.2 Practice – II* is \_\_\_\_\_.

Reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.

Question Number	Got it!	Almost there...	Need to retry or ask for help.
1			
2			
3			



You may proceed to *Explore Your Understanding Assignment* on the next page of this *Workbook*.

**Note:** Before you complete *Explore Your Understanding* you may review your skills and get more practice by completing the following problems in *Mathematics 10*.

- Page 16, #3, 7, 8
- Page 29, #1a, 3a, 4

Check your work in *Enhance Your Understanding*.

