

DMT INSTITUTE

Developing Mathematical Thinking Institute (DMTI)



Professional
Development



Curricular
Resources



Assessment

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Grade PreK: Measurement

DMTI VARIED PRACTICE

DMTI Varied Practice Worksheets

This PowerPoint or PDF displays the worksheets that have varied situations (context, visual, equations, and other mathematical models) for children to work on. By completing these worksheets, children increase their foundational skills in the topic, which will help them with these standards and future mathematical topics.

1. If using a journal, have children present the worksheet and complete all the problems.
2. Or print the 'Varied Practice Worksheet Slides' for them to work on. Then, you can return to the PowerPoint or PDF to look at the keys to check their work.

Grade PreK: Measurement

Materials Needed

Print Measuring Device Template

If not able to print template, trace units on wax paper or patty paper.

Grade PreK: Measurement

Instructions

Part 1

1. Cut out measuring devices from the template (only need one of each color for PreK).
2. Find an object (inside or outside) that measures 1 blue unit.
3. Find an object that is shorter than 1 blue unit.
4. Find an object that is longer/taller than 1 blue unit.
5. Repeat with 1 green unit.
6. Repeat entire process trying to find different objects.

First have the child try to visually find an object by looking at the unit and visually searching for an object that is the same/longer/shorter. When an object of that length has been identified, then use the measuring unit/s to check the measurement.

Measuring Device Template

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Grade PreK: Measurement

Materials Needed

Optional: painter's tape, sidewalk chalk

Instructions

Part 2

1. Create a line on the ground with painter's tape or outside with sidewalk chalk. Or...use the length of a table, rug, bed, etc.
2. Predict how many steps it will take to measure the length of the _____ (tape line, chalk line, table, rug, bed). **I think it will take _____ steps to measure the _____.**
3. Measure by placing one foot in front of the other and counting the steps. It is important to say "zero" at the starting place, before taking any steps.
4. **The _____ measures _____ steps.**

Example:

(Prediction) I think it will take 8 steps to measure the line.



The line measures 7 steps.



“The Developing Mathematical Thinking Institute (DMTI) is dedicated to enhancing students’ learning of mathematics by supporting educators in the implementation of research-based instructional strategies through high-quality professional development, curricular resources and assessments.”

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