

# DMT INSTITUTE

Developing Mathematical Thinking Institute (DMTI)



Professional  
Development



Curricular  
Resources



Assessment

**Jonathan Brendefur, PhD**

# DMTI Varied Practice Worksheets

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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 1 – Misconceptions Part 2

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MEASUREMENT AND GEOMETRY

# Grade 1: Misconceptions Pt. 2 – Measurement and Geometry

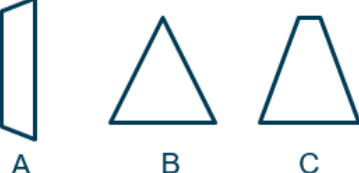
## Materials Needed

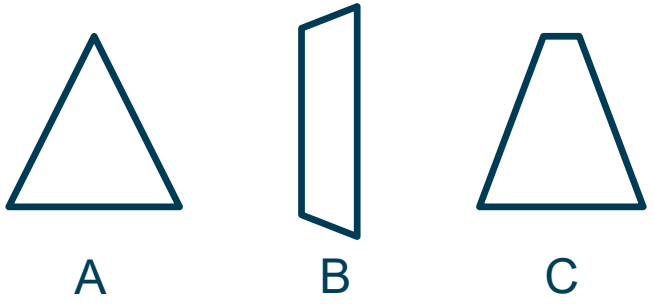
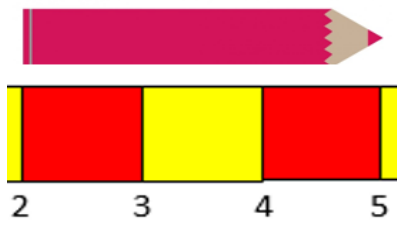

Printed copies of the Measurement and Geometry Misconceptions varied practice sheet.

## Instructions

1. Read the description of each task.
2. Explain to students that the given answer is not correct.
3. Have students provide the correct answer and explain why the incorrect answer given may have occurred.
4. Space is provided to note what students say in response.
5. Adults may want to use a piece of paper to cover each row so that the student sees only one task at a time.

**Example:**

Task	Incorrect Response	Correct Answer	Why did the student get the wrong answer?
Which shape doesn't belong?  A      B      C	<i>Shape A doesn't belong.</i>	<i>Shape B doesn't belong.</i>	<i>Shapes B and C look a little alike, but Shapes A and C have four sides. Shape B only has 3 sides.</i>

Task	Incorrect Response	Correct Answer	Why did the student get the wrong answer?
<p>Which shape doesn't belong?</p>  <p>A                  B                  C</p>	<p><i>Shape B doesn't belong.</i></p>		
<p>How many units long is the pencil?</p> 	<p><i>The pencil is 5 units long.</i></p>		
<p>Which piece of paper is longer or are they the same?</p>  <p>A                  B</p>	<p><i>Paper A is longer than Paper B.</i></p>		



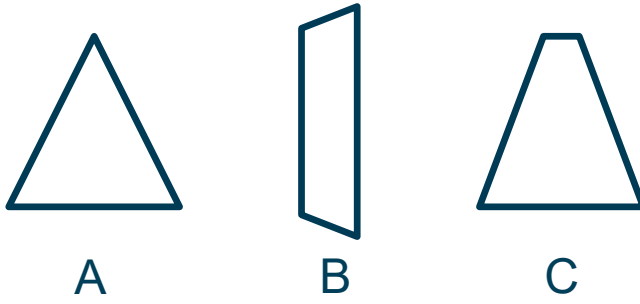
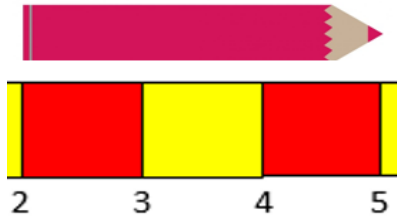

“The Developing Mathematical Thinking Institute (DMTI) is dedicated to enhancing students’ learning of mathematics by supporting educators in the implementation of research-based instructional strategies through high-quality professional development, curricular resources and assessments.”

For more information contact  
Dr. Brendefur at [jbrendefur@dmtinstitute.com](mailto:jbrendefur@dmtinstitute.com)



# KEY

Answers may vary.

Task	Incorrect Response	Correct Answer	Why did the student get the wrong answer?
<p>Which shape doesn't belong?</p>  <p>A                  B                  C</p>	<p><i>Shape B doesn't belong.</i></p>	<p><i>Shape A doesn't belong.</i></p>	<p><i>Shapes A and C look a little alike, but Shapes B and C have four sides. Shape A only has 3 sides.</i></p>
<p>How many units long is the pencil?</p>  <p>2                  3                  4                  5</p>	<p><i>The pencil is 5 units long.</i></p>	<p><i>The pencil is 3 units long.</i></p>	<p><i>The end of the pencil is at 5, but because the other end doesn't start at 0 you need to count the units of length from 2 to 5.</i></p>
<p>Which piece of paper is longer or are they the same?</p>  <p>A                  B</p>	<p><i>Paper A is longer than Paper B.</i></p>	<p><i>Both papers are the same length.</i></p>	<p><i>Even though Paper A looks longer, they are the same length. They are just in different places and do not start at the same place.</i></p>