Teacher Guide

Our resource has been created for ease of use by both **TEACHERS** and **STUDENTS** alike.

Introduction



easurement is one of the major skills that students are expected to learn in the

elementary grades. The following resource provides students the opportunity to learn, review, and master essential measurement skills. This resource allows students

to use, compare, analyze, and assess different units of measurement. Students will reinforce and develop their knowledge of measurement tools, as well as different types of measurement, including: length, widt and height; weight; capacity; perimeter; area; angle measurements; time; money

Students will be asked to use standar well d units of measure as they practice thes uren m. skills.

Teachers may use this r anner they ny wish. Each sheet may be done inde ndently, or in sequence to develop essent i menurement skills that students need to master by the time they have completed fifth grade. The variety of activities will provide ample opportunity for all students to learn these skills.

How Is Our Resource Organized?

STUDENT HANDOUTS

Reproducible task sheets and drill sheets make up the majority of our resource.

The **task sheets** contain challenging problem-solving tasks, many centered around 'real-world' ideas or problems, which push the boundaries of critical thought and demonstrate to students why mathematics is important and applicable in the real world. It is not expected that all activities will be used, but are offered for variety and flexibility in teaching and assessment. Many of the task sheet problems offer space for reflection, and

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opportunity for the appropriate use of technology, as encouraged by the NCTM's Principles & Standards for School Mathematics.

🕒 Before You Teach

The **drill sheets** are provided to help students with their procedural proficiency skills, as emphasized by the NCTM's Curriculum Focal Points.

The NCTM Content Standards Assessment Rubric

(page 4) is a useful tool for a unating work in many of the activities in our resource. The **Reviews** (*pages* 24-26) are divided by grade and can be read for a follow-up review be the for a follow-up review or assessment the completion of the unit.

Infee main types of pages, each with ce cl rent purpose and use. A **Picture Cue** at the top of age shows, at a glance, what the page is for.

Teacher Guide

Information and tools for the teacher



Student Handout

• Reproducible worksheets and activities



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Easy Marking[™] Answer Key

Answers for student activities

EASY MARKING™ ANSWER KEY

Marking students' worksheets is fast and easy with this **Answer Key**. Answers are listed in columns – just line up the column with its corresponding worksheet, as shown, and see how every question matches up with its answer!



Measurement CCP3109-5

NAME:

Task Sheet 13

+ 2 Task Sheet

Estimation Station

13) For this activity, you will need a ruler or measuring tape. You have been made the Chief Estimator of the Scholastic Measurement Company. As part of your job, you are asked to show your estimation and measurement skill. To do this, you will need to determine the perimeter and area of five objects in your classroom. Use the chart below to help you do this. Make sure to do your measurement under the supervision of an adult. (Measure at least two objects in metric equivalents)



)	Estimated perimeter	Estimated clec	ctucl perimeter	Actual Area
Object One: A book of your choice (write the title)	N			
Object Typ: Your desk				
Object Three: Your classroom				
Object Four: Your choice (write the name of the object)				
Object Five: Your choice (write the name of the object)				

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Measurement All Around

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Think about the classroom you are currently in. Suppose you were going to replace the floor. To do this, you would need to know the area of your classroom floor. On your own, or with the help of other classmates, complete the following task.

- 1. Determine what unit would be best to measure the area. Share your suggestions in class.
- 2. Determine which tool you will use to find this measurement. Share your suggestions in class.
- 3. Make an estimate for the classroom area. Share you estimate in class. Explain how you determined the estimate
- 4. Create a plan to find the Una. What well you need to measure? How will you use these measurements in matche area? Share your ideas in class.
- 5. Find the alea Starre your area in class.
- 6. Make a drawing or diagram of your classroom. In this diagram, show the area of your classroom. Label the length and width of each side of the classroom.
- 7. Compare the area of the classroom with the perimeter of the classroom. How are they similar? How are they different?
- 8. Up for a challenge? A typical tile used to put on a classroom floor is 9 inches by 9 inches (or 22.5 cm by 22.5 cm). How many tiles would you need to use to cover your entire floor?

