



Teacher Guide

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

Introduction

M 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, width, and height; weight; capacity; perimeter; area; angle measurements; time; money



Students will be asked to use standard as well as metric units of measure as they practice these measurement skills.

Teachers may use this resource in any manner they wish. Each sheet may be done independently or in sequence to develop essential measurement skills that students need to master by the time they have completed fifth grade. The variety of activities 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

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

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 evaluating work in many of the activities in our resource. The **Reviews** (pages 24-26) are divided by grade and can be used for a follow-up review or assessment at the completion of the unit.

PICTURE CUES

This resource contains three main types of pages, each with a different purpose and use. A **Picture Cue** at the top of each page shows, at a glance, what the page is for.



Teacher Guide

- Information and tools for the teacher



Student Handout

- Reproducible worksheets and activities

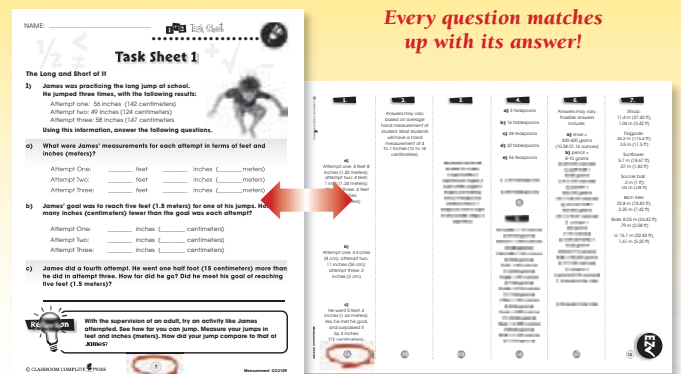


Easy Marking™ Answer Key

- 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!





Task Sheet 5

That animal weighs a ton!

5) Tierza is volunteering at the Central City Zoo during the summer. She is helping to make charts that will be placed on animal exhibits. Her job is to list the weight of animals in terms of pounds, ounces and kilograms. She has recorded the following animal weights in pounds. Help her determine how many ounces and kilograms each animal weighs by converting pounds to ounces and kilograms.



Animal	Weight in pounds	Weight in ounces	Weight in Kilograms
a) Hairy Armadillo	1 pound		
b) Baboon	40 pounds		
c) Chinchilla	2 pounds		
d) Whistling Duck	4 pounds		
e) Bald Eagle	6 pounds		
f) Koala	20 pounds		
g) Otter	12 pound		
h) Trumpeter Swan	25 pounds		
i) Tiger	240 pounds		
j) Gray Wolf	70 pounds		

Explore With Technology

Using a zoo or animal website, find the weight of two other animals that might also be found at the Central City Zoo. Write their weight in pounds, ounces and kilograms below.

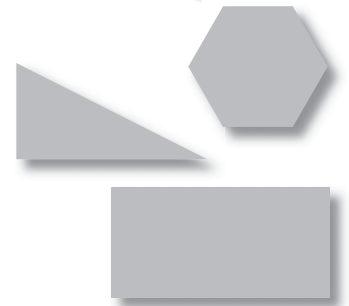

Animal	Weight in pounds	Weight in ounces	Weight in Kilograms



Task Sheet 14

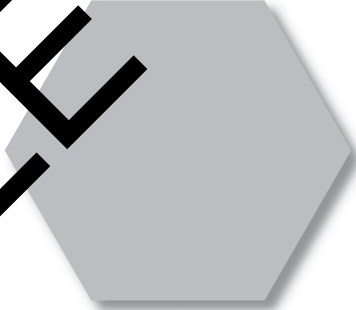
Shape Up

14) For this activity, you will need an inch or centimeter ruler. Your job is to measure the three shapes below. Label the length of each side. Then, when you are done measuring the objects, use your data to help you calculate the area and perimeter of each object.

Perimeter: _____

Area: _____



Perimeter: _____

Area: _____



Perimeter: _____

Area: _____

Draw a shape of your own in the space below. Then, determine the area and perimeter of the shape.

Perimeter: _____

Area: _____