Teacher Guide

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

Introduction

he NCTM content standards have been used in the creation of the assignments in this booklet. This

method promotes the idea that it is beneficial to learn through practical, applicable, real-world examples.

Many of the drill sheets are organized around a

central problem taken from real-life experiences of the students. The pages of this booklet contain a variety in terms of levels of difficulty and content so as to provide students with a variety of different opportunities. Included in our resource are activities to help students learn how to collect, organize, analyze, interpret, and predict data probabilities. Visual models are included to assist visual learners. Teachers may also choose to use mathematics manipulatives along with the exercises include in this book to help address the needs of kinesthetic heres.

Contained in this booklet are 11 Timed Dr Warm-Up Drill Sheets, featuring al-life p opportunities, and 3 review sheets for grad are 3 overheads and 6 add bond we behave accessed on the publisher's website.

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How Is Our Resource Organized?

STUDENT HANDOUTS

Reproducible **drill sheets** make up the majority of our resource.

The **drill sheets** contain challenging problem-solving tasks in drill form, 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 drill 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** workbook can be used in correlation with the separate **task sheets** workbook that matches with this particular grade and subject.

The **NCTM Content Standards Assessment Rubric** (*page 4*) is a useful tool for evaluating students' 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

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



🕒 Before You Teach

Reprod

Easy Marking[™] Answer Key

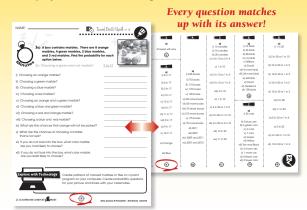
* Answers for student activities

Timed Drill Stopwatch

* Write the amount of time for students to complete the timed drill sheet in the stopwatch. Recommended times are given on the contents page.

EASY MARKING™ ANSWER KEY

Marking students' worksheets is fast and easy with our **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!









🖳 Warm-Up Drill Sheet # 1

Ex: How many more students have an October birthday than a January birthday? <u>7 more students</u>

Jan	0	0						
Feb	0							
Mar	0	0	0	0				
Apr	0	0	0					
May	0	0	0	0	0	0		
Jun			0			0	9	
Jul					0			
Aug			0	0				
Sep			0					
Oct			0					0
Nov	0	0						
Dec	0					0		

i) How many months gree shown on this pictograph?

ii) Which month had the greatest number of birthdays?

iii) Which month had the fewest birthdays?

- iv) Which winter month had the most birthdays?
- v) Which summer month had the most birthdays?
- vi) How many students have a birthday the same month as you?
- vii) How many more students have a December birthday than a November birthday?
- viii) What two consecutive months have a total of 7 birthdays?
- ix) August has twice as many birthdays as which month?
- x) How many total birthdays are found in the second half of the year?
- xi) How many more birthdays are in September than August?
- xii) What months have only five student birthdays?

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Review C

NAME:

a) A standard dart board is shown to the right.



- i) What is the probability of hitting any number on the dart board? ii) What is the probability of hitting a number on the bottom half of the dart board? iii) Is it likely, unlikely, certain, impossible to hit a bull's-eye? iv) Is it likely, unlikely, certain, impossible to hit a ball's-ey five times in a row? \vee) Is it likely, unlikely, certain, or impossible to in an Ven number 5 times out of ten shots? vi) What is the probability of h mber, not including the dì an à bulls-eye? Explain as a ratio vii) What is the probability of highing an even number not including a bulls-eye? Explander artic. viii) If the score of the first five shots was 86, what numbers did the shooter hit? Show one way. ix) If the score of the first three shots was 42, what numbers did the shooter hit? Show one way. x) If the score of the first four shots was 36, what numbers did the shooter hit? Show one way. xi) If the score of the first two shots was 21, what numbers did the shooter hit? Show one way. xii) If the score of the first six shots was 79, what numbers did the shooter hit?
- xii) If the score of the first six shots was 79, what numbers did the shooter hit Show one way.



The chart below shows the favorite colors of the students in Mrs. Thurston's class.

