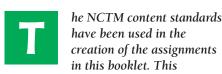


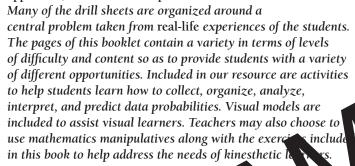
Teacher Guide

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

Introduction



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



Contained in this booklet are 11 Timed Dr. 1. sets an 6 Warm-Up Drill Sheets, featuring al-life problem solving opportunities, and 3 review sheets for grade Also the are 3 overheads and 6 adds on all matches. Which can be accessed on the publisher's website.

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 **Picture Cue** at the top of each page shows, at a glance, what the tage is for.



Teacher Guide

* In rmation and pols for the teacher



ude Handout

Reprod drill sheets



Easy Marking™ Answer Key

* Answers for student activities

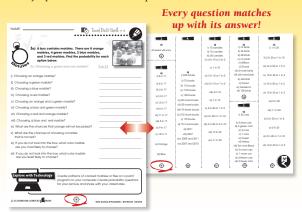


Timed Drill Stopwatch

* 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 MARKINGTM ANSWER KEY

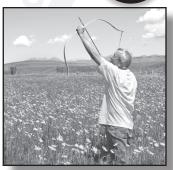
Marking students' worksheets is fast and easy with our **Answer Key**. Answers are listed in columns – just line up the column with its corresponding worksheet, as shown, and see how every question matches up with its answer!







10a) Campers can shoot arrows at a bullseye. The possible scores a person could get for one arrow are 5, 10, 15, 20, or 25.



- i) The scores increase by what amount?
- ii) What is the highest score possible if shooting 10 times?
- iii) What is the lowest score possible if shooting 10 times?
- iv) What is the probability that one shot store will be 5?
- v) What is the probability that one short cont will be 25?
- vi) What is the probability that one shot score will be greater than ??
- vii) What is the probability that one shot score will be less than 25?
- viii) A student scores a 25 after three shots. What three spots did he or she likely land on?
- ix) A student scores a 35 after three shots. What three spots did he or she likely land on?
- x) What is one way to score 20 after three shots?
- xi) What is one way to score 40 after three shots?
- xii) What is one way to score 50 after three shots?



Review C

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

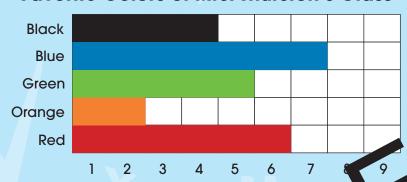


i) What is the probability of hitting any number on the dart board?	
ii) What is the probability of hitting a number on the bottom half of the dart board?	
iii) Is it likely, unlikely, certain, impossible to hit a bull's-eye?	
iv) Is it likely, unlikely, certain, impossible to hit a by 11's-ey; five times in a row?	
v) Is it likely, unlikely, certain, or impossible to In an Ven number 5 times out of ten shots?	
vi) What is the probability of hitting an old number, not including the bulls-eye? Explair as a ratio	
vii) What is the probability o hilding an even number not including a bulls-eye? Explain an a ratio.	
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? Show one way.	

Survey

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

Favorite Colors of Mrs. Thurston's Class



- i) How many students were surveyed for this graph?
- ii) What color was the most popular favore color?
- iii) What color was the least popular Nivority color?
- iv) How many more students cho & blu of than black?
- v) How many more student chose greet than orange?
- vi) How many total st a nts chos green and black?
- vii) What fraction of state on schose black?
- viii) What from the students chose red?
- ix) What is the ratio of students who chose orange to students who chose green?
- x) What is the ratio of students who chose blue to students who chose red?
- xi) A total of eight students chose which two colors as their favorites?
- xii) Two fewer students chose what color than black?



Conduct the same survey in your class. Complete the questions above using your own survey results.