## 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 exerc include in this book to help address the needs of kinesthetic ll

Contained in this booklet are 11 Timed Dr Warm-Up Drill Sheets, featur al-life opportunities, and 3 revier heets for grad are 3 overheads and 6 add onal....hee which can be accessed on the publisher's weostie.

## 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 Picmure Cue at the top of each page shows, at a glance, what tb age is for.


Teacher Guide * In rmation and pols for thy teacher
ade Handout

Easy Marking ${ }^{\text {TM }}$ 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 ${ }^{\text {TM }}$ 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!


15a) The chart below shows the amount of hamburgers sold every day during a week.

Ex: How many total burgers were sold on Monday and Tuesday? 45 burgers


| Day | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Sale of Burgers | 20 | 25 | 27 | 30 | 45 | 60 | 75 |

i) What happened to the sale of hamburgers during the week?
ii) How many total burgers were sold on the first three days?
iii) How many total burgers were sold on the weekend?
iv) How many more burgers were sold Friday than Thursd?
v) Twice as many burgers were sold on Saturda, nan y a day?
vi) What is the median for the number of bl
vii) What is the range for the numbe, purg ors old
$\qquad$
viii) There were three times as on what day th
ix) There were 25 n wh yers sold on what day than Monday?
x) The same amount ortamburgers were sold on which two days as on Sunday?
xi) What is the median for hamburgers sold between Thursday and Saturday? $\qquad$
xii) Three times as many hamburgers were sold on Saturday than on what day?


## 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 th 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 io r's-ey five timesin a row?
v) Is it likely, unlikely, certain, or impossible to hin yen number 5 times out of ten shots?
vi) What is the probability of $h$ ting an d da mber, not including the bulls-eye? Explo as arratio
vii) What is the probability $o$ hing an even number not including a bulls-eye? Expla 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 fay a lor?
iii) What color was the least popular vorit
iv) How many more students cho \& blu than bluck?
v) How many more studen bos of than orange?
vi) How many total st a nts hos green and black?
vii) What fro cion of s a chose black?
viii) What fro $s$ Idents chose red?
ix) What is thearatid of students who chose orange to students wiro chose green?
x) What is the ratio of students who chose blue to students who chose red? $\qquad$
xi) A total of eight students chose which two colors as their favorites?
xii) Two fewer students chose what color than black?

## Reflection

 ${ }^{1}$Conduct the same survey in your class. Complete the questions above using your own survey results.

