## Process Standards Rubric

Five Strands of Math－Drills Big Book
Number and Operations • Algebra • Geometry • Measurement • Data Analysis \＆Probability All Five Strands of Math

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

## Introduction

0ur resource offers ready-to-use worksheet activities for students in grades three to five. Math concepts outlined by the NCTM are presented in a way that encourages students to learn
 and review important concepts. Our resource can be used effectively for whole-class, small group and independent work. This book's exercises vary in difficulty and content so as to provide teachers and students with a variety of teaching and learning opportunities. Included are challenging problem-solving drills which will push the boundaries of critical thought and demonstrate to studer the importance of mathematical problems in Number \& Operations, Algebra, Geometry, Measurement, and Data Analysis \& Probability using real world situatio Visual models are included to assist visual learners. Ter ien may
also choose to use mathematics manipulatives alons rith exercises included in this book to help kinesthetic learners.

## How Is Our Resg a anized?

 STUDENT HANDOU Reproducible drill sheets make up the may ity of our resource.The drill sheets contain challeng orem-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 Big Book can be used in correlation with the separate task sheets Big Book that matches with this particular grade band.

## The NCTM Content Standards Assessment Rubric

(pages 6-10) is a useful tool for evaluating students' work in many of the activities in our resource. The Reviews (pages 30-32, 50-52, 70-72, 90-92, and 110-112) are divided by grade and can be used for a follow-up review oy sessment at the completion of the unit.
 different purpose and A Pict Cue at the top of each page shows, $\times$ a glance, what


Student Handout

* Reproducible drill sheets

EZV 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!


## (ㄷ) Before You Teach

## Principles \& Standards

## Principles E Standards for School Mathematics outlines the essential components of an effective school mathematics program.

## The NCTM's Principles \& Standards for School Mathematics

The Principles are the fundamentals to an effective mathematics education. The Stadards are descriptions of what mathematics instruction should enable students to learn. Together the Principles Standards offer a comprehensive and coherent set of learning goals, serving as a resource to teachers and a fram ork for rriculum. Our resource offers exercises written to the NCTM Process and Content Standards and is inspir by th frinciples outlined below.


Our resource correlates to the six Principles and provides teachers with supplementary materials, which can aid them in fulfilling the expectations of each principle. The exercises provided allow for variety and flexibility in teaching and assessment. The topical division of concepts and processes promotes linkage and the building of conceptual knowledge and understanding throughout the student's grade and elementary school career. Each of the drill sheet problems help students with their procedural proficiency skills, and offers space for reflection and opportunity for the appropriate use of technology.
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10a) Color in the blank thermometers to show the temperatures given.


14a) This graph shows the number of shots on net that each hockey team shot during one hockey game.


iii) How was the scale on the grapl
iv) Who had the most shots
v) Who had the fewest shots of of in total?
vi) Who had the m st shot ne in the first period?
vii) Who had the fewest shot on net in the first period?
viii) Who had the most shots on net in the second period? $\qquad$
ix) Who had the fewest shots on net in the second period? $\qquad$
x) What prediction might you make about how each team will shoot in their next game? $\qquad$
xi) What is the median for the Flyer's shots on net?
xii) What is the range for the Ranger's shot on net?

