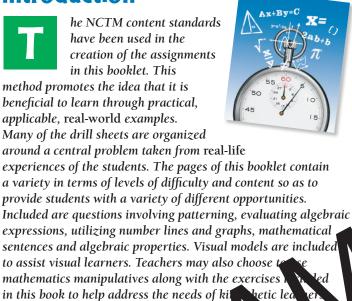


Teacher Guide

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

Introduction



Contained in this booklet are to fined Dr She and 6 Warm-Up Drill Sheets, fouring real-life cent lying opportunities, and 3 review sheets forward 3-5. Also, there are 3 overheads and 6 additional work, seet 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

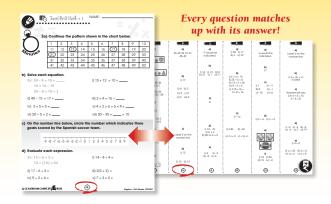


Timed Drill Stopwatch

* 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) Solve the following equations:

i)
$$2^2 =$$

ii)
$$3^3 =$$

ii)
$$3^3 =$$
 iii) $6 + 6^2 =$

iv)
$$3^2 + 4^2 =$$

iv)
$$3^2 + 4^2 =$$
 v) $12 + (2^2 + 8) =$



b) What value, when placed in the box, would make the following equation true?

- c) The following pattern increases by obeying this rule multiply the 6, 15, previous term by 2 and add 3. What is the next term in the sequen
- d) Find each quotient.

i)
$$24 \div -6 =$$

$$iv) -14 \div 2 =$$

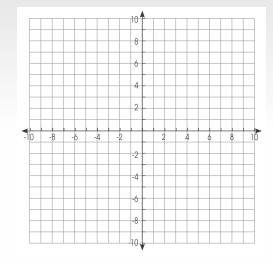
e) Plot the following coordinates on the accompanying grid:

$$A = (-8, 8)$$

$$B = (0, 0)$$

$$C = (6, -7)$$

$$D = (8, 9)$$





NAME:

Review C

a) Evaluate each expression.

i)
$$11 + 7 \times 3 =$$

iii)
$$10 \times 6 \div 3 =$$

$$\vee$$
) 11 + 2(7 - 3)² =

ii)
$$16 - 12 \div 3 =$$

iv)
$$9(6 + 7) =$$

$$\forall i) (9 + 8 + 12 - 4) \div 5 =$$

b) Graph $a \le 5$ on the number line.

c) Solve for x.

i)
$$8 + (x + 4) = 24$$
,

iii)
$$12 \div x = 3$$
,

$$ii \times + 4^2 = 21$$
.

ii)
$$12 \div x = 3$$
,

iv)
$$2(6 - x) = 8$$
,

$$X =$$

d) If y = 4, solve these equations.

i)
$$y + 12 =$$

ii)
$$y(6 \times 2) - 4^2 =$$

e) Write the missing numbers in the following patterns.

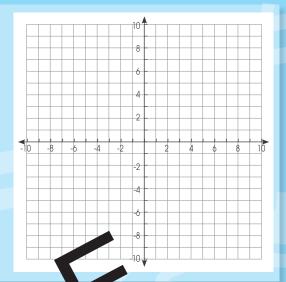
f) Write each as an algebraic expression.

i) Difference of 44 and 11

ii) *a* increased by 22

Plotting, Equations and Input-Output

a) Plot the following coordinates on the accompanying grid:



b) Solve the following

c) Examine the introduction table shown below.

Input	utput

Which rule describes the data?

Answer: ____