

MASTERMINDS Riddle Math Series

DECIMALS, PERCENTAGES, METRIC SYSTEM, AND CONSUMER MATH

**Reproducible Skill Builders And
Higher Order Thinking Activities
Based On NCTM Standards**

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TABLE OF CONTENTS

INTRODUCING DECIMALS

The Infamous Decimal Point !	1
What did Dracula take for his cold? (Coffin drops).....	2
Why did the covered wagon break down on the prairie? (It had injun trouble)	3
What did the buffalo say to his son when he went away on a long trip? (Bison)	4
Decimal Design.....	5
Create your own decimal design	6
Decimal Skill Test - Decimal Notation	7

DETERMINING PLACE VALUE IN DECIMALS

Cross Number Puzzle	8
If a millionaire sits on gold, who sits on silver? (The Lone Ranger)	9
Instructions for Decimal Bingo	10
Decimal Bingo	11

COMPARING DECIMALS

Why are spiders good baseball players? (They know how to catch flies).....	12
Decimal Comparisons	13
Decimal Skill Test - Comparing decimals.....	14

ROUNDING DECIMALS

Cross Number Puzzle No. 2	15
Tickle Your Funny Bone	16
What did the big hand say to the little hand? (Don't go away I'll be back in an hour)	17
Decimal Skill Test - Rounding.....	18

ADDING DECIMALS

What was I? (Deinonychus).....	19
What's Beethoven doing today? (Decomposing).....	20

SUBTRACTING DECIMALS

Math Bingo	21
What do you have when 500 Indians can't buy any apples? (The Indian Appleless 500)	22

ESTIMATING SUMS AND DIFFERENCES WITH DECIMALS

What happens if an ax falls on your car? (You have an axident)	23
--	----

ADDING AND SUBTRACTING DECIMALS

Where do mummies go on vacation? (The Petrified Forest)	24
---	----

SOLVING WORD PROBLEMS WITH ADDING AND SUBTRACTING DECIMALS

Where does a tired artist sleep? (On a pallet)	25
What is the title of this picture? (Eskimo highrise).....	26
Decimal Skill Test - Adding and Subtracting Decimals	27

MULTIPLYING DECIMALS BY MULTIPLES OF 10

Why do baby birds never smile? (Would you smile if your mother only fed you worms?) 28

ESTIMATING DECIMAL PRODUCTS

What's the richest country in the world? (Ireland - It's capital is always Dublin). 29

MULTIPLYING DECIMALS

If you had only one tooth, what would you do? (Grin and bear it). 30

Trivia: What am I? 31

Decimal Skill Test - Multiplying 32

DIVIDING DECIMALS BY MULTIPLES OF 10

How did the Eiffel Tower get its name? (From the top you get an eyeful)..... 33

MULTIPLYING AND DIVIDING DECIMALS BY MULTIPLES OF 10

Why did the tightrope walker go to the bank? (He wanted to check his balance)..... 34

SOLVING WORD PROBLEMS WITH MULTIPLYING AND DIVIDING DECIMALS

What is the title of this picture? (A mended donut) 35

DIVIDING DECIMALS BY WHOLE NUMBERS

What was Noah's profession? (Arkitech) 36

DIVIDING DECIMALS

Why do dragons sleep in the morning and afternoon? (They like to hunt knights)..... 37

Prehistoric Trivia..... 38

Decimal Skill Test - Dividing..... 39

ADDING, SUBTRACTING, MULTIPLYING, AND DIVIDING DECIMALS

Why was Cleopatra so negative? (She was the queen of denial). 40

USING A CALCULATOR TO CHANGE FRACTIONS TO DECIMALS

What is an archaeologist? (Someone whose career is in ruins) 41

WRITING FRACTIONS AS DECIMALS

What do you call a cow with a newborn baby? (Decalfinated) 42

Why is milk the fastest drink?- (It is pasteurized before you see it). 43

USING GRAPHS TO DETERMINE PERCENTS

What is another name for your funny bone? (Your humerus) 44

USING PERCENTS IN OUR DAILY LIVES

Using Percents 45

WRITING DECIMALS AS PERCENTS AND PERCENTS AS DECIMALS

Why did the cannibal stop eating humans? (He got fed up with people). 46

Why is a rooster on a fence like a penny? (His head is on one side and his tail on the other?). 47

What did the honeydew melon say after the watermelon proposed marriage?
(Yes, but I cantaloupe now)..... 48

What makes doctors angry? (Running out of patients) 49

CHANGING FRACTIONS TO PERCENTS

Animalmania 50

WRITING RATIOS AS PERCENTS

How can you tell Van Winkle's trousers? (They're the ones with a rip in them)..... 51

FINDING THE PERCENT OF A NUMBER

How do you know that Army sergeants have a lot of headaches? (They always yell tension) ... 52

What rock group kills household germs? (The Bleach Boys) 53

Percentage Skill Test 54

USING A CALCULATOR TO DETERMINE PERCENTS OF NUMBERS

What is a lunatic blackbird? (Raven maniac) 55

USING PROBLEM SOLVING TO FIND THE PERCENT OF A NUMBER

What do you call a cow that can't give milk? (An udder failure) 56

USING PERCENTS TO READ A CIRCLE GRAPH

Land Area of Continents 57

INTRODUCING THE METRIC SYSTEM

My Metric Collage 58

USING MILLIMETERS, CENTIMETERS, METERS, AND KILOMETERS

Metric Castle 59-60

Space Station 61

Metric Art Gallery of Miniatures 62

USING METERS, LITERS, AND GRAMS

Metrics Scavenger Hunt 63

Metrics - Making the right choice 64

MULTIPLYING AND DIVIDING TO CHANGE METRIC UNITS

Which weighs more, a ton of feathers or a ton of lead? (They both weigh the same) 65

When is music like an icy pavement? (When you will B flat if you don't C sharp). 66

Why does lightning shock people? (It doesn't know how to conduct itself) 67

Metric Skill Test 68

MEASURING TEMPERATURE WITH A CELSIUS THERMOMETER

Hot or Cold? 69

SOLVING PROBLEMS USING CONSUMER MATH

It's Budget Time 70

Balanced Books 71

Why was Adam the fastest runner? (He was the first in the human race)..... 72

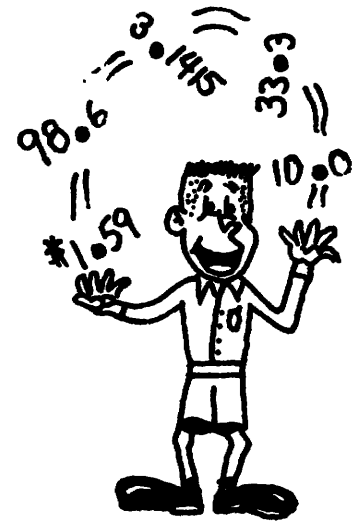
Newspaper Scavenger Hunt for Sales	73
What is the title of this picture? (Pig emerging from a fog)	74

**BRAIN CHALLENGERS: DECIMALS, PERCENTAGES
METRIC SYSTEM, AND CONSUMER MATH**

Why did the lazy man want to work in a bakery?(He was a loafer)	76
Which way did the cowboy computer programmer go? (Dataway)	77
Decimal Letter Code	78
A Maze of Decimals	79
What did the convict say when saved from the hangman? (No noose is good noose)	80
Geometric Percentages	81
Going Beyond Geometric Percent	82
Octagonal Percents	83
Card Deck Percentages	84
Zorks from Nebzed	85
The Case of the Missing Percents	86

ANSWER KEY	87-90
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THE INFAMOUS DECIMAL POINT!



DIRECTIONS: Make a list of 10 to 16 different ways decimals can be used in your daily life. Use the example of money only once.

- | | |
|----------|-----------|
| 1. _____ | 9. _____ |
| 2. _____ | 10. _____ |
| 3. _____ | 11. _____ |
| 4. _____ | 12. _____ |
| 5. _____ | 13. _____ |
| 6. _____ | 14. _____ |
| 7. _____ | 15. _____ |
| 8. _____ | 16. _____ |

DIRECTIONS: List 5 to 6 ways our lives might be different if decimals were suddenly removed from our number system.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

What did Dracula take for his cold?

DIRECTIONS: To find the solution to this question, follow these directions. First work the problems below, and then find the answer in the answer column. The number in front of the answer tells you where to put the letter of the problem in the row of boxes at the bottom of the page.

F = 6.002

N = 0.55

R = 8.03

S = 8.003

I = 6.2

F = 8.3

D = 0.5

P = 6.02

O = 0.038

C = 0.38

O = 0.055

1. thirty-eight hundredths

2. thirty-eight thousandths

3. eight and three tenths

4. six and two thousandths

5. six and two tenths

6. fifty-five hundredths

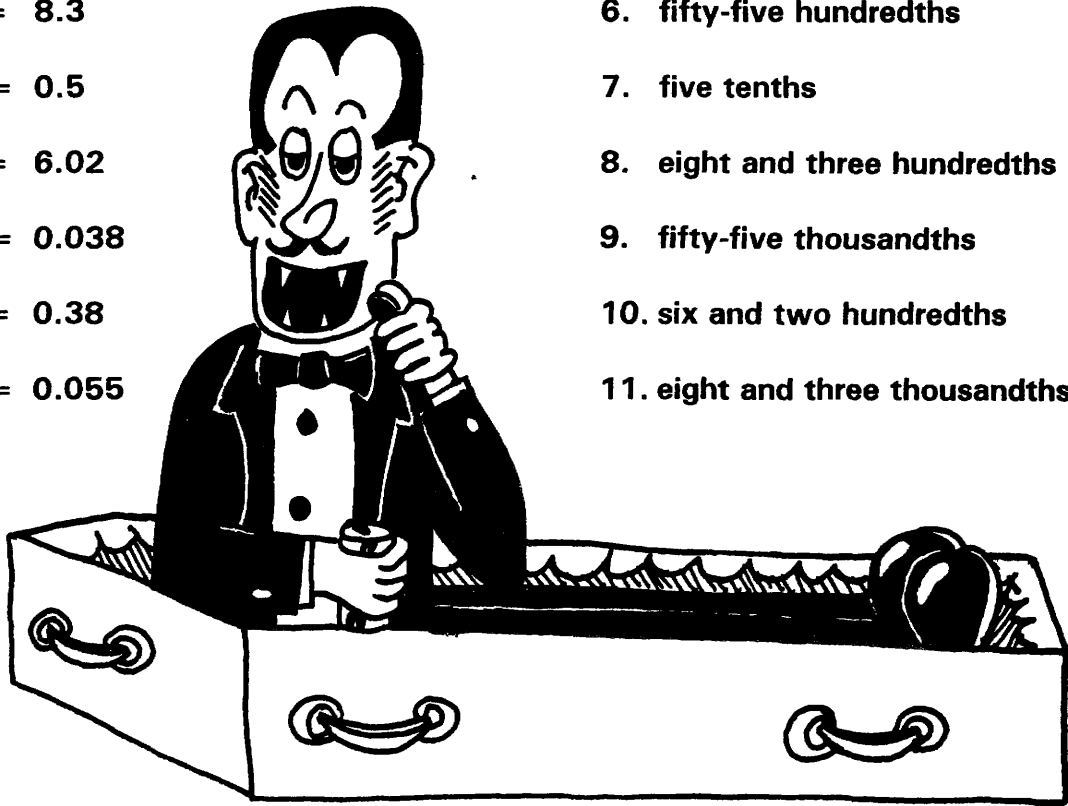
7. five tenths

8. eight and three hundredths

9. fifty-five thousandths

10. six and two hundredths

11. eight and three thousandths



1	2	3	4	5	6	7	8	9	10	11
---	---	---	---	---	---	---	---	---	----	----

Why did the covered wagon break down on the prairie?

DIRECTIONS: Write each decimal word name as a standard decimal numeral. Each time your answer appears in the secret code, write the letter of the problem above it.

- | | |
|--|---|
| 1. Seven hundred thirty-three and two hundredths _____ (T) | 7. Eight and five thousandths _____ (R) |
| 2. Forty-three thousandths _____ (B) | 8. Two and four tenths _____ (W) |
| 3. Twelve and three hundred forty-two thousandths _____ (H) | 9. Thirteen and five hundredths _____ (L) |
| 4. One thousand, three hundred eight and nine tenths _____ (U) | 10. Six and seven thousandths _____ (O) |
| 5. Eight and five hundredths _____ (E) | 11. Forty-three hundredths _____ (A) |
| 6. Ninety-seven and three thousandths _____ (D) | 12. Nine tenths _____ (I) |

_____ .9 _____ 733.02

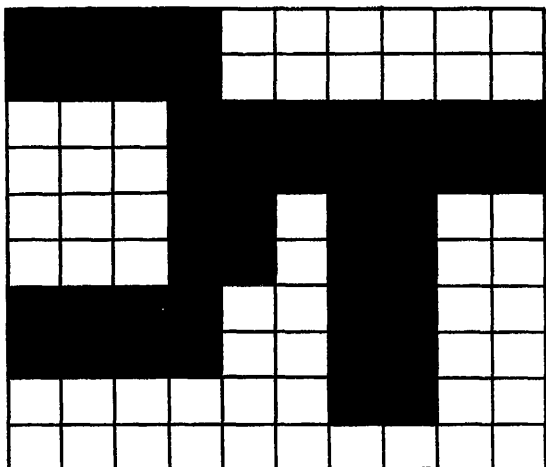
_____ 12.342 _____ .43 _____ 97.003



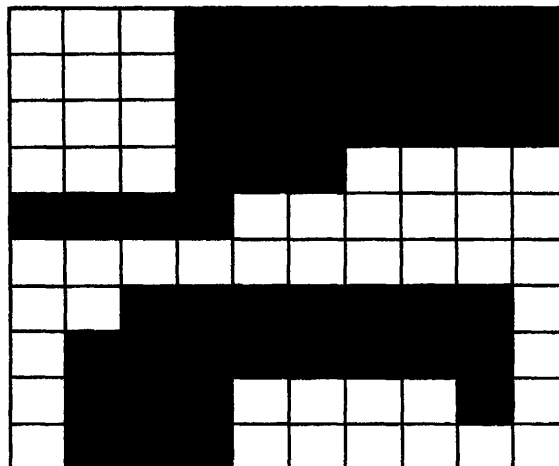
_____ 2.4 _____ 12.342 _____ 8.05 _____ 8.05 _____ 13.05 _____ 733.02 _____ 8.005 _____ 6.007 _____ 1308.9 _____ .043 _____ 13.05 _____ 8.05

What did the buffalo say to his son when he went away on a long trip?

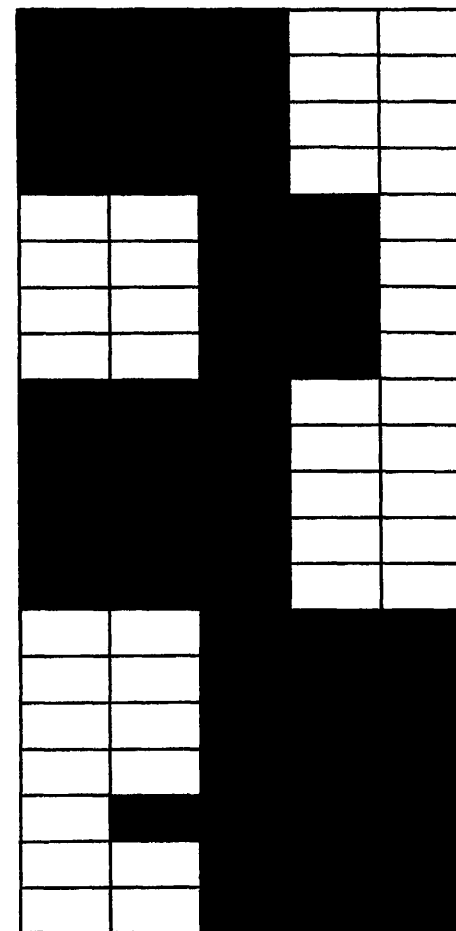
DIRECTIONS: Count the number of hundredths that are shaded in each of the graphs below, and write your answer in decimal notation in the appropriate space below the graph. Locate your answer in the decoder. Each time it occurs, write the letter of the problem above it.



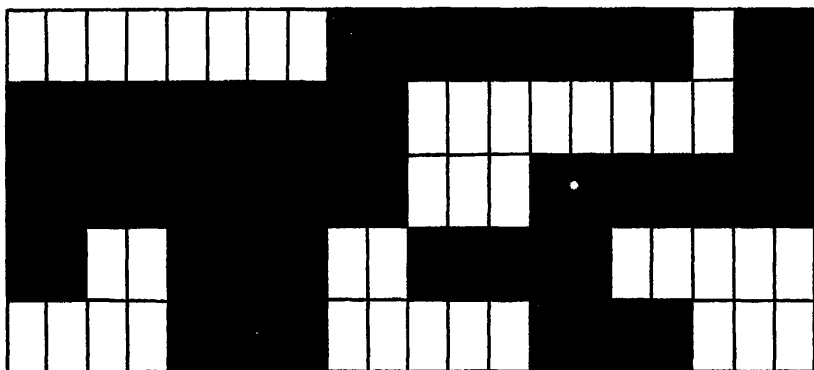
1. N = _____



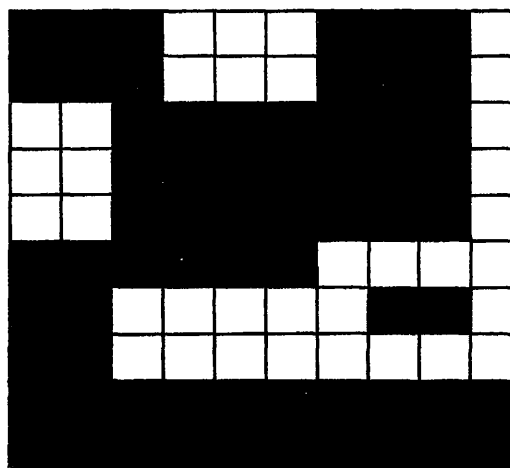
2. O = _____



5. B = _____



3. I = _____



4. S = _____

_____ .57 _____ .59 _____ .65 _____ .50 _____ .44