

Drill & Practice

DECIMALS

(GR. 3-5)

REM 1141A

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A TEACHING RESOURCE FROM



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Introduction

From changing a decimal to a fraction to identifying the place value of a decimal, *Drill & Practice: Decimals (Gr. 3-5)* focuses entirely on the basic concepts of decimals. As students work through the book, they will develop the skills necessary to build a solid understanding of this essential math skill.

Drill & Practice: Decimals is filled with over 400 problems dealing with decimals. The book is divided into 10 sections, each focusing on a new skill. Sections begin with easy-to-follow, step-by-step instructions and include practice problems that reinforce an understanding of the skill covered in that section. Additional activities include mazes, puzzles, and matching exercises to make learning about decimals fun! As students progress through the book, their understanding of decimals should increase.

Pre and post-tests are included in *Drill & Practice: Decimals* as assessment tools. The pre-test may be used before beginning lessons in the book to assess students' familiarity with decimals and the skills involved in them. Lessons may then be assigned accordingly. The post-test may be used after the lessons in the book have been completed to assess students' comprehension of decimals.

These activities follow NCTM standards and support state math standards and benchmarks.

Note: *Drill & Practice: Decimals* was designed to be used as a supplemental element to your decimal curriculum. It, therefore, does not cover reducing fractions to the lowest terms. We recommend that you add special instructions to activities where necessary so that they better fit the concepts being taught to students.

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Name _____

Pre-Test

1. Write the place value of each underlined number.

35.2 _____ 9.18 _____ 3.37 _____

2. In the numbers below, the 0 is in what place?

1,501 _____ 2.903 _____ 10,912 _____

3. Round each number to the nearest hundredths place.

0.814 _____ 0.039 _____ 0.542 _____

4. Write the decimal for each number word.

three tenths _____

nine tenths _____

sixteen hundredths _____

5. Write the number word for each decimal.

0.09 _____

0.35 _____

0.8 _____

6. Compare the numbers using the > or < symbols.

3.5 3.05

1,026 1.026

0.99 1.0

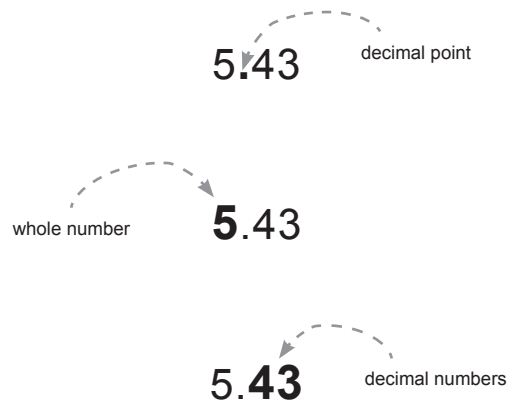
Place Value

FINDING THE PLACE VALUE OF A DECIMAL:

Step 1: Find the decimal point in the decimal. The **decimal point** is what separates the whole numbers from the decimal numbers.

The **whole numbers** are the digits to the *left* of the decimal point.

The **decimal numbers** are the digits to the *right* of the decimal point.



Step 2: Determine the place value of each digit.

ones	decimal point	tenths	hundredths
5	.	4	3

Complete the place value charts. Each chart is started for you.

1. 350.291

hundreds	tens	ones	decimal point	tenths	hundredths	thousandths
	5		.			1

2. 1.72

hundreds	tens	ones	decimal point	tenths	hundredths	thousandths
			.	7		

3. 10.048

hundreds	tens	ones	decimal point	tenths	hundredths	thousandths
	1		.		4	

Name _____

Complete the place value charts.

1. 0.371

hundreds	tens	ones	<i>decimal point</i>	tenths	hundredths	thousandths

2. 2.915

hundreds	tens	ones	<i>decimal point</i>	tenths	hundredths	thousandths

3. 374

hundreds	tens	ones	<i>decimal point</i>	tenths	hundredths	thousandths

4. 0.059

hundreds	tens	ones	<i>decimal point</i>	tenths	hundredths	thousandths

5. 39.621

hundreds	tens	ones	<i>decimal point</i>	tenths	hundredths	thousandths

6. 841.273

hundreds	tens	ones	<i>decimal point</i>	tenths	hundredths	thousandths

Name _____



Write the place value of each underlined digit. The first one is done for you.

1. 0.09

nine hundredths

2. 0.019

3. 0.441

4. 36.037

5. 0.0671

6. 0.53

7. 72.36

8. 0.0596

9. 1.955

10. 22.061

11. 9.013

12. 0.22

13. 0.361

14. 0.036

Name _____

Read the clues to solve the riddles. Write your answers in the blanks.

1. I have a three in the ones places and a four in the tenths place.

What decimal am I? _____

2. I have a four in the tenths place and a five in the hundredths place.

What decimal am I? _____

3. I have a six in the ones place and a three in the hundredths place.

What decimal am I? _____

4. I have a seven in the ones place and the thousandths place. I have a three in the tenths place and the hundredths place.

What decimal am I? _____

5. I have a one in the tens place and a zero in the ones place. I have a two in the tenths place and a five in the hundredths place.

What decimal am I? _____

6. I have a nine in the ones place and a six in the tenths place.

What decimal am I? _____

7. I have a seven in the hundreds place and a zero in the tens and ones place. I have a three in the tenths place and a six in the hundredths place.

What decimal am I? _____

8. I have a six in the tenths place, an eight in the hundredths place, and a one in the thousandths place.

What decimal am I? _____

9. I have a two in the thousandths place.


What decimal am I? _____

10. I have a zero in the tenths place and a nine in the hundredths place.

What decimal am I? _____

Name _____

Writing Number Words

WRITING A DECIMAL AS A NUMBER WORD:									
<p>Step 1: Read the number aloud. Replace the decimal point with <i>and</i>.</p>	<p style="text-align: center;">  5.43 5 and 43 </p>								
<p>Step 2: Determine the place value of each digit.</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>ones</th> <th><i>and</i></th> <th>tenths</th> <th>hundredths</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">.</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>	ones	<i>and</i>	tenths	hundredths	5	.	4	3
ones	<i>and</i>	tenths	hundredths						
5	.	4	3						
<p>Step 3: Write the decimal as a number word.</p>	<p>five and forty-three hundredths</p>								

Complete the place value charts. Then write each decimal as a number word.

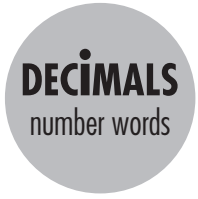
1. 423.019

hundreds	tens	ones	<i>and</i>	tenths	hundredths	thousandths

2. 514.672

hundreds	tens	ones	<i>and</i>	tenths	hundredths	thousandths

Name _____



Complete the place value charts. Then write each decimal as a number word.

1. 0.927

hundreds	tens	ones	<i>and</i>	tenths	hundredths	thousandths

2. 59.2

hundreds	tens	ones	<i>and</i>	tenths	hundredths	thousandths

3. 101.17

hundreds	tens	ones	<i>and</i>	tenths	hundredths	thousandths

4. 5.64

hundreds	tens	ones	<i>and</i>	tenths	hundredths	thousandths

5. 0.738

hundreds	tens	ones	<i>and</i>	tenths	hundredths	thousandths

Name _____



Write each decimal as a number word.

1. 0.179

2. 0.018

3. 0.605

4. 3.217

5. 1.612

6. 16.501

7. 3.241

8. 0.643
