Drill & Practice

DECIMALS

(GR. 4-6)

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Introduction

From adding and subtracting decimals to multiplying and dividing by whole numbers, *Drill & Practice: Decimals (Gr. 4-6)* focuses entirely on the review and practice of decimals. As students work through the book, they will master the skills necessary to build a solid understanding of this essential math skill.

Drill & Practice: Decimals (Gr. 4-6) is filled with over 450 problems dealing with decimals. The book is divided into 6 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. Activities include drills, word problems, and a few practical application 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 (Gr. 4-6)* 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 (Gr. 4-6)* was designed to be used as a supplemental element to your decimal curriculum. We recommend that you add special instructions to activities where necessary so that they better fit the concepts being taught to students.

Contents

Name _____

Pre-Test

1. Write the place of each underlined number.

5̲4.9 _____   8.4̲6 _____   2.33̲ _____

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

4,709 _____   3.605 _____   90,926 _____

3. Round each decimal to the nearest hundredths place.

1.724 _____   3.149 _____   2.692 _____

4. Write the number word for each decimal.

1.29 _____

0.46 _____

2.08 _____

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

5.6 ☐ 5.06   4,306 ☐ 4.306   2.99 ☐ 3.0

6. Add, subtract, or multiply the decimals.

1.132	3.986	5.02	2.114
+ 1.640	− 1.344	+ 14.56	x 2

Adding Decimals

TO ADD DECIMALS:

Step 1: Write the numbers so that the decimal points line up.

Visualize a place value chart to help line up the decimal points.

1.93 + 3.1 =

	ones	decimal point	tenths	hundredths
	1	.	9	3
+	3	.	1	

Step 2: Add zeros as placeholders if needed.

	ones	decimal point	tenths	hundredths
	1	.	9	3
+	3	.	1	0

Step 3: Add. *Regroup if necessary*.

Write a decimal point in the answer under the decimal points in the numbers you are adding.

	ones	decimal point	tenths	hundredths
	¹1	.	9	3
+	3	.	1	0
	5	.	0	3

regroup

Add to solve each problem. Draw a place value chart if you need help.

1. 0.16 + 0.31 = _____

2. 0.31 + 0.62 = _____

3. 0.82 + 0.17 = _____

4. 0.25 + 0.13 = _____

5. 0.42 + 0.11 = _____

6. 0.07 + 0.33 = _____

DECIMALS addition no regrouping

Complete the place value charts. Then add the decimals.

1. 1.13 + 3.1 =

	ones	decimal point	tenths	hundredths
		.		
+		.		

5. 3.5 + 5.32 =

	ones	decimal point	tenths	hundredths
		.		
+		.		

2. 0.06 + .21 =

	ones	decimal point	tenths	hundredths
		.		
+		.		

6. 0.82 + 0.17 =

	ones	decimal point	tenths	hundredths
		.		
+		.		

3. 2.3 + 4.08 =

	ones	decimal point	tenths	hundredths
		.		
+		.		

7. 5.32 + 1.31 =

	ones	decimal point	tenths	hundredths
		.		
+		.		

4. 0.33 + 1.4 =

	ones	decimal point	tenths	hundredths
		.		
+		.		

8. 4.02 + 5.21 =

	ones	decimal point	tenths	hundredths
		.		
+		.		

Name _____

Add to solve each problem.

1.
$$\begin{array}{r} 11.20 \\ +\ 15.21 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 21.60 \\ +\ 33.15 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 10.42 \\ +\ 3.07 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 2.21 \\ +\ 13.64 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 41.15 \\ +\ 43.21 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 55.49 \\ +\ 2.20 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 1.50 \\ +\ 6.41 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 1.48 \\ +\ 61.31 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 18.03 \\ +\ 0.83 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 3.11 \\ +\ 3.10 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 44.19 \\ +\ 5.60 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 50.08 \\ +\ 46.81 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 19.44 \\ +\ 0.05 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 2.82 \\ +\ 20.16 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 45.10 \\ +\ 3.10 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 62.15 \\ +\ 16.84 \\ \hline \end{array}$$

17.
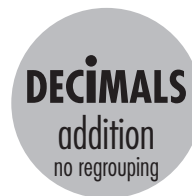$$\begin{array}{r} 60.24 \\ +\ 21.00 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 0.09 \\ +\ 98.80 \\ \hline \end{array}$$

Name _____

Add to solve each problem.

1.
```
    1.10
    4.30
+   1.30
```

6.
```
   35.11
   10.06
+  54.81
```

11.
```
   11.02
    0.65
+   0.10
```

2.
```
    0.41
    0.25
+   0.12
```

7.
```
   50.01
    0.11
+  19.27
```

12.
```
    0.60
    3.02
+   0.07
```

3.
```
    4.43
    1.00
+   3.41
```

8.
```
   32.90
    6.05
+  20.03
```

13.
```
   99.01
    0.61
+   0.21
```

4.
```
    2.73
    3.21
+   1.02
```

9.
```
    1.60
    1.12
+   1.15
```

14.
```
    1.10
    1.05
+   3.40
```

5.
```
    6.02
    2.22
+   1.51
```

10.
```
   11.20
   80.15
+   5.61
```

15.
```
    4.20
    4.10
+   1.21
```

Add to solve each word problem.

DECIMALS
addition
no regrouping

1. The Jones family went on a picnic. They took 6.3 quarts
of juice and 3.1 quarts of milk to drink. How many quarts of
drinks did the Jones family take on their picnic? _____

2. Jan and Lynn wanted ice cream for dessert. They ate 3.2 pints
of vanilla, 1.5 pints of strawberry, and 4.2 pints of chocolate
ice cream. How many pints of ice cream did Jan and Lynn eat? _____

3. Jan and Lynn went for a hike after they ate all of that ice cream.
The trail that they took up the mountain was 428.93 meters long.
They took a different trail down the mountain. It was 351.05
meters long. How many meters did Jan and Lynn hike? _____

4. The doctor measured me and my sister's height. My sister is
41.25 inches tall. I am 38.52 inches tall. What is our total height? _____

5. Garrett and Brad went on a 3-day road trip. On the first day, they
drove 331.31 kilometers. On the second day, they drove 350.22
kilometers. On the third day, they drove 200.16 kilometers. How
many kilometers did Garrett and Brad drive on their road trip? _____

6. John and Mary were picking berries for their grandmother to
make jam. John picked 13.42 pounds of blueberries. Mary
picked 10.27 pounds of raspberries. How many pounds did
they pick in all? _____

Add to solve each word problem.

1. In science class, Joy was working on an experiment. She poured 0.471 pounds of A, 0.39 pounds of B, and 1.238 pounds of C into a beaker. How many pounds does did Joy pour into the beaker?

    _____

2. During the month of June, there was 3.659 inches of rain. In July, there was 8.4 inches. In August, there was 1.359 inches. How many inches of rain fell during the 3 months?

    _____

3. Stacy had two flat tires on her bike. The back tire took her 13.5 minutes to fix. The front tire took 8.75 minutes to fix. How long did it take her to fix both tires?

    _____

4. At swim practice, Casey swam 500.75 meters for a warm-up. He swam 720.34 meters of drills and 60.87 meters as a cool-down. How many total meters did he swim?

    _____

5. Grace had a lot of homework last night. She wrote her book report in 32.9 minutes. She finished her math problems in 46.34 minutes. Grace also studied social studies for 15.17 minutes. How long did Grace work on homework last night?

    _____

6. I was very thirsty today. I drank 45.2 ounces of water, 26.88 ounces of gatorade, and 8.6 ounces of coffee. How many ounces did I drink today?

    _____