Practice | Add Decimals to the Hundredths

Practice Pages

The Practice Pages are sequenced from simple to complex and align with Add Decimals to the Hundredths Concept Mini Lessons Objectives 1–4. Consider providing students with the answer key for the Practice Pages. Then students can check their work and make corrections if necessary.

Practice Helpers

Practice Helpers can be used to support students who are working independently or with a partner to complete the Practice Pages. Each Practice Page has a corresponding Practice Helper with one solved problem that is similar to a problem on the Practice Page. The solutions include sample work and guiding questions that represent the thinking required to approach the problem. Consider providing the Practice Helpers during Concept Mini Lessons and supporting students in using the worked-out examples to guide their own work.

Practice Page 1

Objective 1 Add decimals by applying **fraction equivalence**.

Look for ...

- Can the student **rename** the **decimal** as a **fraction**?
- Can the student **find the total** when **adding like units**?
- Can the student **rename** the sum in **decimal form**?

Practice Page 2

Objective 2 Add decimals by using **place value drawings** and relate to a **written recording**.

Look for ...

- Can the student represent the **addends** on the **place value chart**?
- Can the student **compose a new unit** when necessary?
- Does the student correctly record the problem in **vertical form**?

Practice Page 3

Objective 3 Add decimals with a **different number of digits**.

Look for ...

- Can the student represent the **addends** on the **place value chart**?
- Can the student **compose a new unit** when necessary?
- Does the student correctly record the problem in **vertical form**?

Practice Page 4

Objective 4 Add decimals by using the **standard algorithm**.

Look for ...

- Can the student **align the units** in **vertical form**?
- Does the student start by adding the **smallest unit** and then add each **larger unit**?
- Can the student **compose a new unit** when necessary?

Answer Key

Practice Page 1

1. $0.9; \frac{7}{10} + \frac{2}{10} = \frac{9}{10}$

2. $0.07; \frac{2}{100} + \frac{5}{100} = \frac{7}{100}$

3. A

4. Amy renamed the decimals as fractions incorrectly. The decimals should be renamed as hundredths, not tenths.

Practice Page 2

1. Completed place value chart; addition represented in vertical form; 7.3

2. Completed place value chart; addition represented in vertical form; 0.53

3. Completed place value chart; addition represented in vertical form; 8.21

4. Completed place value chart; addition represented in vertical form; 9.1

Practice Page 3

1. Completed place value chart; addition represented in vertical form; 3.7

2. Completed place value chart; addition represented in vertical form; 0.95

3. Completed place value chart; addition represented in vertical form; 4.05

4. Completed place value chart; addition represented in vertical form; 3.55

Practice Page 4

1. 9.07

2. 1.38

3. C

4. Luke forgot to add the new unit in the ones place. He added 4 ones and 2 ones, but he forgot to add another 1.

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NAME _____ DATE _____

Practice Page 1 | Add decimals by applying fraction equivalence.

Rename the decimals as fractions. Add.

1 $0.7 + 0.2$

2 $0.02 + 0.05$

3 Which of the following is equivalent to $0.6 + 0.4$ when rewritten in fraction form?

A. $\frac{6}{10} + \frac{4}{10}$

B. $\frac{6}{100} + \frac{4}{100}$

C. $\frac{6}{1} + \frac{4}{1}$

D. $\frac{10}{6} + \frac{10}{4}$

4 Amy incorrectly finds $0.05 + 0.03$. Look at Amy's work. What mistake did Amy make?

$$0.05 + 0.03 = \underline{0.8}$$

$$\frac{5}{10} + \frac{3}{10} = \frac{8}{10}$$

NAME _____ DATE _____

Practice Page 2

Add decimals by using place value drawings and relate to a written recording.

Add. Use a place value drawing and record in vertical form.

1 $4.6 + 2.7 =$ _____

tens	ones	tenths	hundredths

2 $0.18 + 0.35 =$ _____

tens	ones	tenths	hundredths

NAME _____ DATE _____

Practice Page 2

Add decimals by using place value drawings and relate to a written recording.

3 $5.32 + 2.89 =$ _____

tens	ones	tenths	hundredths

4 $6.57 + 2.53 =$ _____

tens	ones	tenths	hundredths

NAME _____ DATE _____

Practice Page 3 | Add decimals with a different number of digits.

Add. Use a place value drawing and record in vertical form.

1 $3 + 0.7 =$ _____

tens	ones	tenths	hundredths

2 $0.6 + 0.35 =$ _____

tens	ones	tenths	hundredths

NAME _____ DATE _____

Practice Page 3 | Add decimals with a different number of digits.

3 $1.25 + 2.8 =$ _____

tens	ones	tenths	hundredths

4 $0.7 + 2.85 =$ _____

tens	ones	tenths	hundredths

NAME _____ DATE _____

Practice Page 4 | Add decimals by using the standard algorithm.

Add. Use the standard algorithm.

1 $5.6 + 3.7$

2 $0.92 + 0.46$

3 What is $6 + 3.75$? Show your work by using the standard algorithm.

A. 3.81

B. 4.35

C. 9.75

D. 63.75

4 Luke incorrectly finds $4.35 + 2.8$. Look at Luke's work. What mistake did Luke make?

$$\begin{array}{r} 4.3\,5 \\ +\ 2.8 \\ \hline 6.1\,5 \end{array}$$

NAME _____ DATE _____

Practice Helper 1

Look at the problem. Then look at the work. It shows how to rename decimals as fractions to add.

Add. Rename the decimals as fractions.

$0.6 + 0.1 =$ _____

How can you rename the decimal as a fraction?

I can rewrite 0.6 and 0.1 as fractions with denominators of 10 because the unit is tenths.

$$0.6 = \frac{6}{10}$$

$$0.1 = \frac{1}{10}$$

What is the total number of tenths or hundredths?

$$\frac{6}{10} + \frac{1}{10} = \frac{7}{10}$$

There are 7 tenths, or $\frac{7}{10}$.

How can you rename the total in decimal form?

I can rename $\frac{7}{10}$ as 0.7.

$0.6 + 0.1 =$ 0.7

$$\frac{6}{10} + \frac{1}{10} = \frac{7}{10}$$

NAME _____ DATE _____

Practice Helper 2

Look at the problem. Then look at the work. It shows how to add decimals by using place value drawings.

Add. Use a place value drawing and record in vertical form.

$1.29 + 1.62 =$ _____

How can you draw to represent both addends?

I can draw on a place value chart to represent the value of each digit in the addends.

Can you compose a new unit? How can you show that in your drawing?

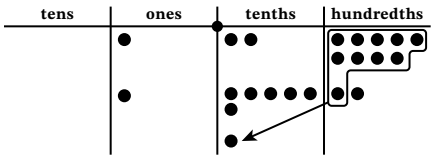
There are 11 hundredths. I can use 10 hundredths to make 1 tenth.

I can circle 10 hundredths and draw an arrow to show making a larger unit, 1 tenth. I can draw the new unit below the units that are already on the place value chart.

How can you record your work and the total in vertical form?

I can write the total for each place value unit. I can show that I composed 1 tenth by writing a 1 on the line in the tenths place.

$1.29 + 1.62 =$ 2.91



$$\begin{array}{r} 1.29 \\ +\ 1.62 \\ \hline 2.91 \\ {\scriptstyle 1} \end{array}$$

NAME ______________________________ DATE ______________

Practice Helper 3

Look at the problem. Then look at the work. It shows how to add decimals with a different number of digits.

Add. Use a place value drawing and write in vertical form.

$0.2 + 1.86 =$ ______

How can you draw to represent both addends?

I can draw on a place value chart to represent the value of each digit in the addends.

Can you compose a new unit? How can you show that in your drawing?

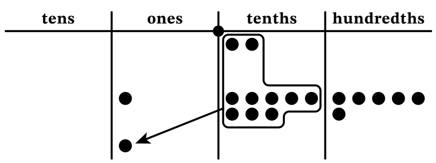
There are 10 tenths. I can use 10 tenths to make 1 one.

I can circle 10 tenths and draw an arrow to show making a larger unit, 1 one. I can draw the new unit below the units that are already on the place value chart.

How can you record your work and the total in vertical form?

I can align the numbers by place value. I can write the total for each place value unit. I show that I composed 1 one by writing a 1 on the line in the ones place.

$1.2 + 1.86 = \underline{2.06}$



$$\begin{array}{r} 0.2 \\ +\ 1.86 \\ \hline 2.06 \end{array}$$

(composed 1 written on the line in the ones place)

NAME ______________________ DATE ______________

Practice Helper 4

Look at the problem. Then look at the work. It shows how to add decimals by using the standard algorithm.

Add. Use the standard algorithm.

$0.5 + 1.9 =$ ________

How can you line up like units in vertical form?

I can make sure I line up the numbers correctly by their place values. The decimal points should be lined up with each other.

Which unit do you add first? Next?

I add the smallest unit first: the tenths. Then I add the ones.

Can you compose a new unit? Where do you write the new unit?

There are 14 tenths. I can use 10 tenths to make 1 one.

I show that I composed 1 one by writing a 1 on the line in the ones place.

$0.5 + 1.9 = \underline{\ 2.4\ }$

$$\begin{array}{r} 0.5 \\ +\ 1.9 \\ \hline \overset{1}{2}.4 \end{array}$$