

Write the word form and tell the value of the underlined digit for $930,365$.

Nine hundred thirty thousand, three hundred sixty-five.

Since the 0 is in the thousands place, its value is 0 thousands or 0.

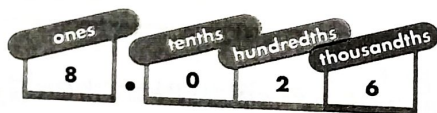


Use digital tools to solve these and other Reteaching problems.

Set B

pages 13–18

A place-value chart can help you write decimals in standard form, expanded form, and word form.



Standard form: 8.026

Word form: Eight and twenty-six thousandths

Expanded form: $8 + 0.02 + 0.006$

Set C

pages 19–24

Compare. Write $>$, $<$, or $=$.

$$8.45 \bigcirc 8.47$$

Line up the decimal points. Start at the left to compare. Find the first place where the digits are different.

$$\begin{array}{r} 8.45 \\ 8.47 \\ \hline \end{array}$$

$$0.05 < 0.07 \text{ So, } 8.45 < 8.47.$$

Remember you can find the value of a digit by its place in a number.

Write the word form and tell the value of the underlined digit.

1. 9,000,009
2. 3,485,002,000
3. 25,678
4. 17,874,000,000

Reteaching

Remember the word *and* is written for the decimal point.

Write each number in standard form.

1. eight and fifty-nine hundredths
2. seven and three thousandths
3. six and eight hundred thirty-seven thousandths
4. $2 + 0.2 + 0.05 + 0.001$
5. $3 + 0.2 + 0.004$
6. $0.6 + 0.03 + 0.006$

Remember that equivalent decimals, such as 0.45 and 0.450, can help you compare numbers.

Compare. Write $>$, $<$, or $=$.

1. 0.584 \bigcirc 0.58
2. 9.327 \bigcirc 9.236
3. 5.2 \bigcirc 5.20
4. 5.643 \bigcirc 5.675
5. 0.07 \bigcirc 0.08

Set D pages 25–30

Round 12.087 to the place of the underlined digit.

12.087 Look at the digit following the underlined digit. Look at 7.

Round to the next greater number of hundredths because $7 > 5$.

12.087 is about 12.09.

Round 9.073 to the place of the underlined digit.

9.073 Look at the digit following the underlined digit. Look at 0.

Since $0 < 5$ the digit in the ones place remains the same.

9.073 is about 9.

Remember that rounding a number means replacing it with a number that tells about how many or how much.

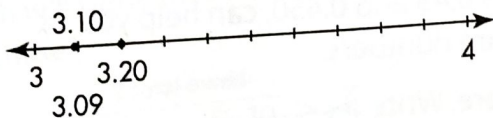
Round each number to the place of the underlined digit.

1. 10.245
2. 73.4
3. 9.145
4. 3.999
5. 13.023
6. 45.398
7. 0.153
8. 0.625
9. 8.978
10. 5.739
11. Raul mails three packages. The packages weigh 13.09 ounces, 13.16 ounces, and 13.8 ounces. Which package's weight is closest to 13 ounces?

Set E pages 31–36

When you solve problems, you write to explain your answers. You can use words, pictures, or numbers to communicate your reasoning to others.

Megan practiced the long jump for the field day competition. First, she jumped 3.20 meters. Then she jumped 3.09 meters. Which jump was her better jump? Explain.



A number line shows 3.20 to the right of 3.09. Since 3.20 is greater than 3.09, her better jump is 3.20 meters.

Remember a good explanation should be correct, simple, and easy to understand.

1. Mr. Wilson's odometer shows that he has driven 216,784 miles. Explain how to write the number for the odometer reading after he drives 10,000 more miles.
2. The heights of Sara's tomato plants are 1.15 meters, 1.05 meters, and 1.1 meters. Explain how to order the heights from tallest to shortest.
3. Jake's height is 4.5 feet. Explain how to round Jake's height to the nearest foot.

Set A pages 47–52

Add $15.3 + 1.1 + 1.7$ using mental math.

Use compatible numbers. These are numbers that are easy to calculate mentally.

15.3 and 1.7 are compatible numbers.

The Commutative Property of Addition allows us to add in any order.

$$\begin{aligned} 15.3 + 1.1 + 1.7 &= 15.3 + 1.7 + 1.1 \\ &= 17.0 + 1.1 \\ &= 18.1 \end{aligned}$$

So, $15.3 + 1.1 + 1.7 = 18.1$.

Remember that you can use compatible numbers or compensation to find sums and differences.

Reteaching

Use mental math to add or subtract.

1. $8.6 + 23.4 + 1.4$
2. $27 - 9.9$
3. $13.5 + 5.7 + 36.5$
4. $205.4 - 99.7$
5. $\$12.35 + \$25.89 + \$19.65$
6. $1.29 + 3.72 + 5.15 + 2.85$

Set B pages 53–58

Estimate $19.9 + 17.03$.

$$\begin{array}{r} 9.9 \longrightarrow 20 \\ + 17.03 \longrightarrow + 17 \\ \hline 37 \end{array}$$

Round to the nearest whole number.

$19.9 + 17.03$ is about 37.

Estimate $22.4 - 16.2$.

$$\begin{array}{r} 22.4 \longrightarrow 20 \\ - 16.2 \longrightarrow - 15 \\ \hline 5 \end{array}$$

Use compatible numbers.

$22.4 - 16.2$ is about 5.

Remember that using compatible numbers to estimate is often easier than rounding.

Estimate each sum or difference.

1. $76 + 23$
2. $358 + 293$
3. $15.01 - 4.4$
4. $80.01 + 2.89$
5. $25,003 - 12,900$
6. $9.5 + 9 + 8.6$

Set C pages 59–64

Find $6,259 - 2,488$.

Line up numbers by place value. Subtract the ones, and then subtract the tens, hundreds, and thousands. As you subtract, regroup if needed.

$$\begin{array}{r} 6,259 \\ - 2,488 \\ \hline 1 \end{array}$$

$$\begin{array}{r} \overset{11}{5} \overset{15}{\cancel{2}2} 59 \\ - 2,488 \\ \hline 3,771 \end{array}$$

Remember to use what you already know about regrouping to help add and subtract with larger numbers.

Add or subtract. Check the answer to subtraction exercises by adding.

- | | |
|------------|-------------|
| 1. $9,371$ | 2. $14,506$ |
| $+ 6,059$ | $- 8,759$ |

Set D pages 65–82

Lucy bought 3.12 pounds of pears and 9 pounds of apples. Find how many more pounds of apples than pears Lucy bought.

Write the numbers. Add a decimal point to the whole number. Annex zeros. Line up the decimal points.

$$\begin{array}{r} 9.00 \\ - 3.12 \\ \hline \end{array}$$

Subtract the hundredths, tenths, and ones.

$$\begin{array}{r} 8 \overset{9}{\cancel{10}} \\ 9.00 \\ - 3.12 \\ \hline 5.88 \end{array}$$

Remember to annex zeros so that each place has a digit.

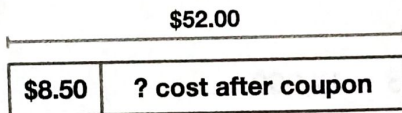
1. $7.06 + 0.85$
2. $24.07 - 5.316$
3. $51.92 - 28.003$
4. $8.71 - 0.4$
5. $98 + 3.79$
6. Talia measured two strings. The green string was 2.37 cm long. The blue string was 4 cm long. How many centimeters longer was the blue string than the green string?

Set E pages 83–88

When you solve multi-step problems, you can use strip diagrams to model the steps.

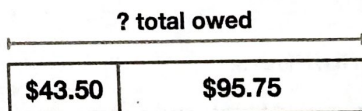
Gene wants to buy a catcher's mitt for \$52.00 and baseball shoes for \$95.75. He has a coupon for \$8.50 off the price of the catcher's mitt.

How much will Gene have to pay for the catcher's mitt after he uses the coupon?



$$\$52.00 - \$8.50 = \$43.50$$

How much will Gene owe for his total purchase?



$$\$43.50 + \$95.75 = \$139.25$$

Gene will owe \$139.25 for his purchase.

Remember to break up the information into smaller parts that can be shown with strip diagrams.

Write and answer the hidden question or questions. Then solve.

	Job	Earnings
DATA	Mowing lawn	\$13.50
	Raking leaves	\$11.00
	Walking dogs	\$14.75

1. Pedro earned money doing different jobs for neighbors. He kept a table of what he earned. If Pedro bought a magazine subscription for \$16.95 from his earnings, how much money did he have left?
2. Now Pedro wants to buy two DVDs for \$10.99 each. Does he have enough money left over?