

## Review Exercises

$$\begin{array}{r} 1. \quad 336 \\ \quad 19 \\ + 424 \\ \hline \end{array}$$

2. Write 2.007 in words.

$$\begin{array}{r} 3. \quad 7,125 \\ \quad - 743 \\ \hline \end{array}$$

4. Write 42.016 in words.

5.  $37 + 16 + 274 =$

6. Write 0.019 in words.

### Helpful Hints

When reading, remember "and" means decimal point. The fraction part of a decimal ends in "th" or "ths."  
Be careful about placeholders.

#### Example:

Four and eight tenths = 4.8

Two hundred one and six hundredths = 201.06

One hundred four ten-thousandths = .0104

Write each of the following as a decimal. Use the chart at the bottom to help.

S1. Five and three hundredths.

S2. Four hundred thirty-six and eleven hundredths.

1. Seven and four tenths.

2. Twenty-two and fifteen thousandths.

3. Three hundred fifty-two ten-thousandths.

4. Seventy-four and forty-three thousandths.

5. Five hundred-thousandths.

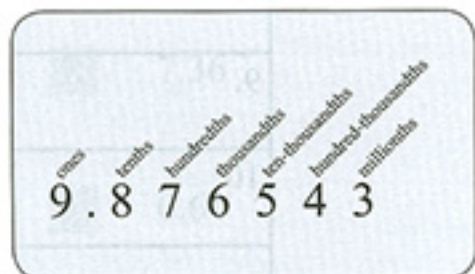
6. Sixteen millionths.

7. Nine and forty-five thousandths.

8. Twenty and thirty-three ten-thousandths.

9. Eighty-six and nine tenths.

10. Eighty-six and nine millionths.



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Score

### Problem Solving

Crayons come in boxes of 24. How many crayons are there in fifteen boxes?

## Review Exercises

1. Change 52.623 to a mixed numeral.
2. Write  $75 \frac{9}{1,000}$  as a decimal.
3. 
$$\begin{array}{r} 624 \\ \times 7 \\ \hline \end{array}$$
4. Write fifty and nineteen thousandths as a decimal.
5. Write 6.23 in words.
6.  $7,051 - 267 =$

### Helpful Hints

To add decimals, line up the decimal points and add as you would whole numbers. Write the decimal points in the answer. Zeroes may be placed to the right of the decimal.

**Example:**

$$\begin{array}{r} 3.16 \\ 2.40 \\ + 12.00 \\ \hline 17.56 \end{array}$$

Add  $3.16 + 2.4 + 12$

S1. 
$$\begin{array}{r} 3.16 \\ 12.4 \\ + 3.26 \\ \hline \end{array}$$

S2.  $3.92 + 4.6 + .32 =$

1.  $32.16 + 1.7 + 7.493 =$

2.  $7.341 + 6.49 + .6 =$

3. 
$$\begin{array}{r} 7.64 \\ 19.633 \\ + 2.4 \\ \hline \end{array}$$

4.  $.37 + .6 + .73 =$

5.  $9.64 + 7 + 1.92 + .7 =$

6.  $72.163 + 11.4 + 63.42 =$

7.  $.7 + .6 + .4 =$

8.  $17.33 + 6.994 + .72 =$

9. 
$$\begin{array}{r} 7.642 \\ 17.63 \\ 2.143 \\ + 14.64 \\ \hline \end{array}$$

10.  $19.2 + 7.63 + 4.26 =$

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Score

### Problem Solving

In January it rained 4.76 inches, in February, 6.43 inches, and in March, 7.43 inches. What was the total amount of rainfall for the three months?

## Review Exercises

1. Change 80% to a decimal.      2. Change 7% to a decimal.      3. Change 25% to fraction reduced to lowest terms.

4. 
$$\begin{array}{r} 156 \\ \times .7 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 400 \\ \times .32 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 300 \\ \times .06 \\ \hline \end{array}$$

### Helpful Hints

To find the percent of a number you may use either fractions or decimals. Use what is the most convenient.

Examples: Find 25% of 60  
 $.25 \times 60$

$$\begin{array}{r} 60 \\ \times .25 \\ \hline 300 \\ 120 \\ \hline 15.00 \end{array}$$

OR

$$\frac{25}{100} = \frac{1}{4}$$

$$\frac{1}{4} \times \frac{60}{1} = \frac{15}{1} = 15$$

S1. Find 70% of 25.

S2. Find 50% of 300.

1. Find 6% of 72.

2. Find 60% of 85.

3. Find 25% of 60.

4. Find 45% of 250.

5. Find 10% of 320.

6. Find 40% of 200.

7. Find 4% of 250.

8. Find 90% of 240.

9. Find 75% of 150.

10. Find 2% of 660.

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### Problem Solving

A train traveled 400 miles in 2.5 hours.  
 What was its average speed per hour?

Score

## Review Exercises

1. Find 40% of 280.                      2. Find 5% of 60.                      3. 3 is what % of 5?
4. 15 is what % of 25?                      5. Write .471 as a percent.                      6. Write  $72 \frac{601}{100,000}$  as a decimal.

### Helpful Hints

When finding the percent first write a fraction, next change the fraction to a decimal, then change the decimal to a percent.

**Example:**

A team played 20 games and won 15 of them. What percent of the games did they win?

15 is what % of 20?

$$\frac{15}{20} = \frac{3}{4}$$

$$\begin{array}{r} .75 = 75\% \\ 4 \overline{) 3.00} \\ \underline{- 28} \phantom{0} \\ \phantom{0} 20 \\ \underline{- 20} \\ \phantom{0} 0 \end{array}$$

They won 75% of the games.

S1. A test had 25 questions. If Sam got 15 questions correct, what percent did she get correct?

S2. In a class of 20 students, 12 are girls. What percent of the class is girls?

1. On a spelling test with 25 words, Susan got 20 correct. What percent of the words did she get correct?

2. A worker earned 600 dollars. If she put 150 dollars into a savings account, what percent of her earnings did she put into a savings account?

3. A team played 16 games and won 12 of them. What percent did they lose?

4. A quarterback threw 35 passes and 21 were caught. What percent of the passes were caught?

5.  $\frac{18}{20}$  of a class was present at school. What percent of the class was present?

6. A class has an enrollment of 30 students. If 24 are present, what percentage absent?

7. A team won 12 games and lost 13 games. What percent of the games played did they win?

8. A school has 300 students. If 120 of them are sixth graders, what percent are sixth graders?

9. On a math test with 50 questions Jill got 49 of them correct. What percent did she get correct?

10. A pitcher threw 12 pitches. If 9 of them were strikes, what percent were strikes?

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### Problem Solving

A t.v. set costs \$420. The sales tax is 8% of the price. What is the total price with tax included?

Score