

Name: \_\_\_\_\_

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Write the value of the digit 5 in each number.

	Number	Value
8.	145,032	
9.	870,526	
10.	502,461	

Fill in the blanks.

11. In 980,541, the digit \_\_\_\_\_ is in the ten thousands place.

12. In 439,602, the digit 3 is in the \_\_\_\_\_ place.

13. In 750,482, the digit 7 is in the \_\_\_\_\_ place.

14. In 862,059, the digit 6 stands for \_\_\_\_\_.

It is in the \_\_\_\_\_ place.

15. In 423,086, the digit \_\_\_\_\_ is in the hundreds place.

Its value is \_\_\_\_\_.

Fill in the blanks.

16.  $314,562 = 300,000 + \underline{\hspace{2cm}} + 4,000 + 500 + 60 + 2$

17.  $790,258 = \underline{\hspace{2cm}} + 90,000 + 200 + 50 + 8$

18.  $804,576 = 800,000 + \underline{\hspace{2cm}} + 500 + 70 + 6$

19.  $200,000 + 4,000 + 800 + 90 + 1 = \underline{\hspace{2cm}}$

20.  $500,000 + 70,000 + 30 = \underline{\hspace{2cm}}$

21.  $300,000 + 6,000 + 10 = \underline{\hspace{2cm}}$

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## Lesson 1.3 Comparing Numbers to 10,000,000

Circle the greater number.

1. 95,867 or 123,087
2. 625,689 or 625,897
3. 4,306,582 or 4,314,356

Circle the least number.

4. 32,409    320,409    32,049
5. 788,420    798,630    786,980    785,900    799,380
6. 5,468,015    5,648,015    5,478,015    5,475,216

Arrange the numbers in order from least to greatest.

7. 283,500    2,583,000    2,385,000    197,500    1,795,000
- 

8. 8,764,500    8,476,900    8,746,800    895,390    8,593,800
- 

Arrange the numbers in order from greatest to least.

9. 5,296,000    594,287    2,890,670    980,576    5,298,053
- 

10. 3,003,500    303,500    390,300    2,900,800    3,900,100
-

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16.  $857 \times 60 = (\underline{857} \times \underline{6}) \times 10$   
 $= \underline{\hspace{2cm}} \times 10$   
 $= \underline{\hspace{2cm}}$

**Multiply.** Please use the break apart method.

17.  $38 \times 40$   
 $(38 \times 4) \times 10$

18.  $572 \times 80$

19.  $490 \times 30$

20.  $375 \times 70$

**Multiply.**

21.  $47 \times 100 = \underline{\hspace{2cm}}$

22.  $325 \times 100 = \underline{\hspace{2cm}}$

23.  $168 \times 100 = \underline{\hspace{2cm}}$

24.  $231 \times 1,000 = \underline{\hspace{2cm}}$

25.  $192 \times 1,000 = \underline{\hspace{2cm}}$

26.  $759 \times 1,000 = \underline{\hspace{2cm}}$

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$$\begin{aligned} 37. \quad 103 \times 8,000 &= (103 \times \underline{8}) \times 1,000 \\ &= \underline{\hspace{2cm}} \times 1,000 \\ &= \underline{\hspace{2cm}} \end{aligned}$$

$$\begin{aligned} 38. \quad 325 \times 4,000 &= (325 \times \underline{\hspace{2cm}}) \times 1,000 \\ &= \underline{\hspace{2cm}} \times 1,000 \\ &= \underline{\hspace{2cm}} \end{aligned}$$

**Multiply.** Please use the break apart method.

$$\begin{aligned} 39. \quad 209 \times 700 \\ (209 \times 7) \times 100 \end{aligned}$$

$$40. \quad 146 \times 9,000$$

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**Multiply.** Please use the break apart method when it makes sense to do so.

9.  $763 \times 40$

10.  $370 \times 60$

11.  $495 \times 27$

12.  $856 \times 56$

13.  $1,268 \times 39$

14.  $1,046 \times 93$

15.  $1,203 \times 78$

16.  $3,108 \times 24$



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## Lesson 2.4 Dividing by Tens, Hundreds, or Thousands

Divide.

1.  $7,200 \div 10 =$  \_\_\_\_\_

2.  $2,800 \div 10 =$  \_\_\_\_\_

3.  $23,000 \div 10 =$  \_\_\_\_\_

4.  $680,000 \div 10 =$  \_\_\_\_\_

Fill in the blanks.

5.  $2,320 \div 10 =$  \_\_\_\_\_

6. \_\_\_\_\_  $\div 10 = 160$

7.  $24,000 \div$  \_\_\_\_\_  $= 2,400$

8.  $84,000 \div$  \_\_\_\_\_  $= 8,400$

9. \_\_\_\_\_  $\div 10 = 398$

10. \_\_\_\_\_  $\div 10 = 5,500$

Fill in the blanks.

11.  $9,300 \div 30 = (9,300 \div$  \_\_\_\_\_  $) \div 3$

$=$  \_\_\_\_\_  $\div 3$

$=$  \_\_\_\_\_

12.  $9,500 \div 50 = (9,500 \div 10) \div$  \_\_\_\_\_

$=$  \_\_\_\_\_  $\div$  \_\_\_\_\_

$=$  \_\_\_\_\_

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13.  $126,000 \div 60 = (126,000 \div 10) \div \underline{6}$   
= \_\_\_\_\_  $\div$  \_\_\_\_\_  
= \_\_\_\_\_

**Divide.** Please use the break apart method.

14.  $60,000 \div 40$

15.  $372,000 \div 60$

16.  $486,000 \div 90$

17.  $267,400 \div 70$

**Divide.**

18.  $4,800 \div 100 =$  \_\_\_\_\_

19.  $35,700 \div 100 =$  \_\_\_\_\_

20.  $79,000 \div 1,000 =$  \_\_\_\_\_

21.  $350,000 \div 1,000 =$  \_\_\_\_\_

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divide.

9.  $3,160 \div 40$

10.  $3,250 \div 50$

11.  $2,566 \div 24$

12.  $3,129 \div 38$

13.  $4,163 \div 42$

14.  $1,986 \div 51$

15.  $1,300 \div 49$

16.  $1,170 \div 61$



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## Lesson 2.7 Real-World Problems: Multiplication and Division (Part 1)

**Solve. Show your work.**

1. A fruit seller buys 1,456 apples and packs them equally into boxes of 56 each. He sells each box for \$18. How much money does he collect if he sells all the apples?

2. Mrs. Brandon had 230 soft toys. She kept 50 soft toys and distributed the rest equally to 15 children to sell for charity. Each toy was sold for \$20. How much money did each child collect?

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Express each sum in simplest form.

9.  $\frac{2}{5} + \frac{3}{8}$

10.  $\frac{1}{3} + \frac{1}{10}$

11.  $\frac{7}{10} + \frac{3}{4}$

12.  $\frac{4}{5} + \frac{2}{3}$

13.  $\frac{7}{8} + \frac{1}{6}$

14.  $\frac{6}{7} + \frac{3}{4}$

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2. Rewrite the two fractions as like fractions with the same denominator. Then complete the model and the subtraction sentence.

$$\frac{4}{9} = \frac{8}{18}$$

$$\frac{1}{6} = \frac{3}{18}$$



$$\frac{4}{9} - \frac{1}{6} = \underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

**Express each difference in simplest**

**form.**

3.  $\frac{4}{5} - \frac{1}{3}$

4.  $\frac{3}{4} - \frac{2}{3}$

5.  $\frac{8}{9} - \frac{7}{8}$

6.  $\frac{7}{12} - \frac{1}{4}$

7.  $\frac{5}{6} - \frac{3}{8}$

8.  $\frac{8}{9} - \frac{1}{2}$

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## Lesson 3.4 Expressing Fractions, Mixed Numbers, and Division Expressions as Decimals

Rewrite each fraction as a decimal.

1.  $\frac{9}{10}$

2.  $\frac{4}{5} \times \frac{2}{5} = \frac{8}{10} = 0.8$

3.  $\frac{3}{20}$

4.  $\frac{9}{25}$

5.  $\frac{23}{10}$

6.  $\frac{5}{2}$

7.  $\frac{11}{4}$

8.  $\frac{18}{5}$

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## Lesson 3.5 Adding Mixed Numbers

Add. Express each sum in simplest form.

1.  $3\frac{3}{8} + 2\frac{1}{2}$

2.  $1\frac{1}{3} + 3\frac{1}{12}$

3.  $1\frac{2}{3} + 3\frac{7}{8}$

4.  $1\frac{5}{9} + 1\frac{3}{4}$

5.  $2\frac{11}{12} + 4\frac{7}{8}$

6.  $3\frac{2}{3} + 2\frac{7}{10}$

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## Lesson 3.6 Subtracting Mixed Numbers

Subtract. Express each difference in simplest form.

1.  $3\frac{8}{9} - 1\frac{1}{3}$

2.  $5\frac{5}{6} - 4\frac{7}{12}$

3.  $4\frac{1}{4} - 1\frac{9}{10}$

4.  $6\frac{1}{8} - 1\frac{11}{12}$

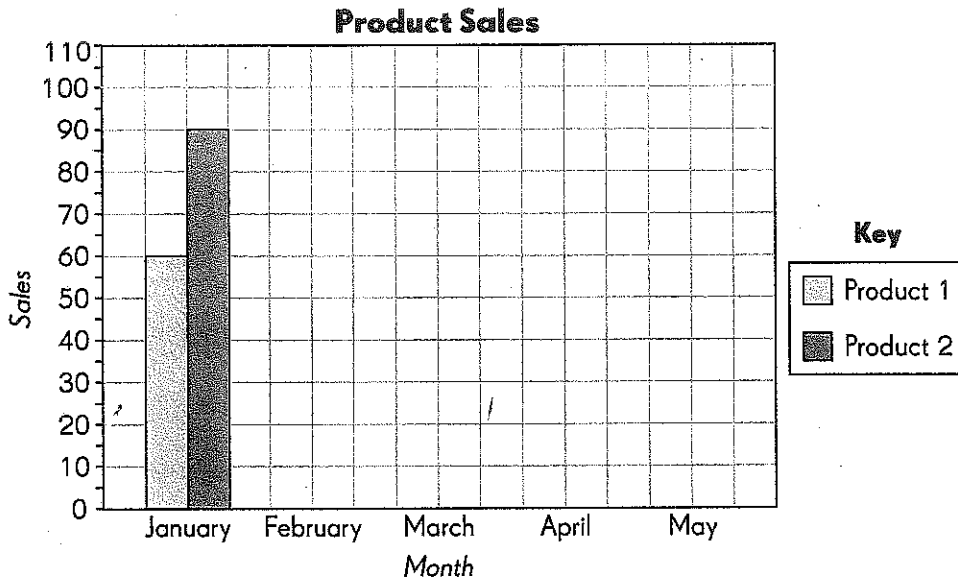
5.  $2\frac{1}{3} - 1\frac{5}{7}$

6.  $4\frac{2}{9} - 2\frac{5}{6}$

Complete the bar graph using the data in the table. Then use the graph for the following exercises.

6. The table shows the product sales for a company during the first five months of the year.

	January	February	March	April	May
Product 1	60	30	50	70	40
Product 2	90	50	70	110	80

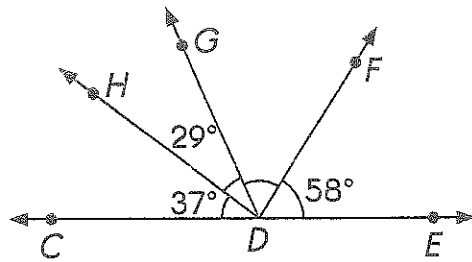


7. The average amount of Product 1 sold during the first five months is \_\_\_\_\_.
8. The ratio of the amount of Product 1 sold in January to the amount of Product 1 sold in May is \_\_\_\_\_.
9. The month of \_\_\_\_\_ shows the greatest decrease in sales of Product 2. The decrease was \_\_\_\_\_.
10. \_\_\_\_\_ percent of the total sales for Product 2 was sold in May.

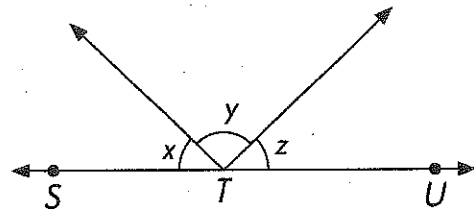
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3.  $\overleftrightarrow{CE}$  is a line. Find the measure of  $\angle FDG$ .



4.  $\overleftrightarrow{SU}$  is a line. The measure of  $\angle y$  is twice as big as the measure of  $\angle x$  and the measure of  $\angle z$  is half the measure of a right angle. Find the measure of  $\angle y$ .

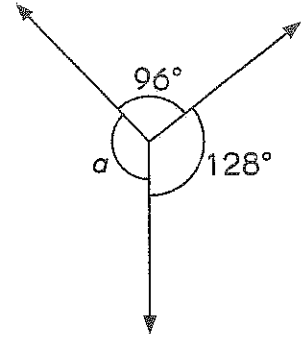




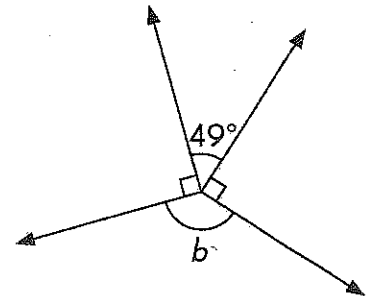
## Lesson 12.2 Angles at a Point

Find the unknown marked angles. The diagrams are not drawn to scale.

1. Find the measure of  $\angle a$ .



2. Find the measure of  $\angle b$ .



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## Worksheet 3 Rewriting Decimals as Fractions

Rewrite each decimal as a fraction or mixed number in simplest form.

*Example*

$$0.007 = \frac{7}{1000}$$

1.  $0.8 =$  \_\_\_\_\_
2.  $5.9 =$  \_\_\_\_\_
3.  $6.04 =$  \_\_\_\_\_
4.  $0.47 =$  \_\_\_\_\_
5.  $0.072 =$  \_\_\_\_\_
6.  $7.015 =$  \_\_\_\_\_
7.  $2.436 =$  \_\_\_\_\_
8.  $2.037 =$  \_\_\_\_\_
9.  $4.008 =$  \_\_\_\_\_
10.  $16.15 =$  \_\_\_\_\_
11.  $0.754 =$  \_\_\_\_\_
12.  $0.005 =$  \_\_\_\_\_
13.  $4.36 =$  \_\_\_\_\_

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## Worksheet 4 Dividing by Tens, Hundreds, and Thousands

Place the decimal point in the correct place in the quotient.

Example

$$7.26 \div 10 = 0.726$$

When you divide a number by 10, move the decimal point 1 decimal place to the left.



1.  $1.37 \div 10 = 137$

2.  $3.85 \div 10 = 385$

3.  $36.2 \div 10 = 362$

4.  $94.7 \div 10 = 947$

5.  $645 \div 10 = 645$

6.  $786 \div 10 = 786$

7.  $0.9 \div 10 = 9$

8.  $0.4 \div 10 = 4$

**Complete.**

9.  $2.84 \div 10 = \underline{\hspace{2cm}}$

10.  $463 \div 10 = \underline{\hspace{2cm}}$

11.  $0.95 \div 10 = \underline{\hspace{2cm}}$

12.  $72.6 \div 10 = \underline{\hspace{2cm}}$

**Complete.**

13.  $57.8 \div \underline{\hspace{2cm}} = 5.78$

14.  $4 \div \underline{\hspace{2cm}} = 0.4$

15.  $894 \div \underline{\hspace{2cm}} = 89.4$

16.  $0.26 \div \underline{\hspace{2cm}} = 0.026$

17.  $\underline{\hspace{2cm}} \div 10 = 3.09$

18.  $\underline{\hspace{2cm}} \div 10 = 70.4$

19.  $\underline{\hspace{2cm}} \div 10 = 0.05$

20.  $\underline{\hspace{2cm}} \div 10 = 0.458$

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## Worksheet 2 Converting Fractions to Percents

Express each fraction as a percent.

*Example*

$$\frac{23}{50} = \frac{\boxed{46}}{100}$$
$$= \underline{46}\%$$

1.  $\frac{11}{20} = \frac{\boxed{\phantom{00}}}{100}$

$$= \underline{\phantom{00}}\%$$

2.  $\frac{47}{50} = \frac{\boxed{\phantom{00}}}{100}$

$$= \underline{\phantom{00}}\%$$

3.  $\frac{3}{5} = \frac{\boxed{\phantom{00}}}{100}$

$$= \underline{\phantom{00}}\%$$

4.  $\frac{3}{4} = \frac{\boxed{\phantom{00}}}{100}$

$$= \underline{\phantom{00}}\%$$

5.  $\frac{17}{25} = \frac{\boxed{\phantom{00}}}{100}$

$$= \underline{\phantom{00}}\%$$