

**Homework**

The following shows how place value and money are related.

ones (dollars)	tenths (dimes)	hundredths (pennies)	thousandths (tenths of a penny)
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Write each fraction as a decimal and then say it.

1.  $\frac{349}{1,000}$  \_\_\_\_\_

2.  $\frac{6}{10}$  \_\_\_\_\_

3.  $\frac{58}{100}$  \_\_\_\_\_

4.  $\frac{27}{1,000}$  \_\_\_\_\_

5.  $\frac{2}{10}$  \_\_\_\_\_

6.  $\frac{9}{100}$  \_\_\_\_\_

7.  $\frac{6}{1,000}$  \_\_\_\_\_

8.  $\frac{71}{100}$  \_\_\_\_\_

9.  $\frac{90}{100}$  \_\_\_\_\_

10.  $\frac{843}{1,000}$  \_\_\_\_\_

11.  $\frac{5}{10}$  \_\_\_\_\_

12.  $\frac{4}{100}$  \_\_\_\_\_

13.  $\frac{1}{1,000}$  \_\_\_\_\_

14.  $\frac{45}{100}$  \_\_\_\_\_

15.  $\frac{896}{1,000}$  \_\_\_\_\_

16.  $\frac{58}{1,000}$  \_\_\_\_\_

Solve.

17. A large building has 1,000 windows, and 5 of the windows need to be replaced. What decimal represents the number of windows that need to be replaced?
- \_\_\_\_\_

18. At a reception, 23 of 100 pieces of wedding cake have been eaten. What decimal number represents the number of pieces of cake that have been eaten?
- \_\_\_\_\_

19. Jody made 10 party invitations. Yesterday she mailed 4 of them. What decimal represents the number of invitations that have been mailed?
- \_\_\_\_\_

20. There are 1,000 vehicles in a stadium parking lot; 422 of the vehicles are trucks. What decimal represents the number of vehicles that are trucks?
- \_\_\_\_\_

21. Mr. Chan handed out eight tenths of his flyers. Write a fraction and a decimal that represents the amount of the flyers that he handed out.
- \_\_\_\_\_

22. Jason has an album that holds 100 trading cards. He has 52 trading cards in the album. Write a fraction and a decimal that represent the amount of the album that is filled.
- \_\_\_\_\_

**Homework**

Write a decimal number for each word name.

1. nine thousand, six hundred five and nine tenths

\_\_\_\_\_

2. two hundred ten thousand, fifty and nineteen hundredths

\_\_\_\_\_

3. three tenths

\_\_\_\_\_

4. seven thousandths

\_\_\_\_\_

5. eight hundredths

\_\_\_\_\_

Write each amount as a decimal number.

6.  $\frac{602}{1,000}$  \_\_\_\_\_

7.  $9\frac{21}{100}$  \_\_\_\_\_

8.  $4\frac{9}{10}$  \_\_\_\_\_

9.  $14\frac{27}{100}$  \_\_\_\_\_

10.  $35\frac{712}{1,000}$  \_\_\_\_\_

11.  $9\frac{5}{100}$  \_\_\_\_\_

12.  $24\frac{13}{1,000}$  \_\_\_\_\_

13.  $3\frac{68}{100}$  \_\_\_\_\_

14.  $2\frac{1}{1,000}$  \_\_\_\_\_

15.  $63\frac{7}{10}$  \_\_\_\_\_

16.  $\frac{84}{1,000}$  \_\_\_\_\_

17.  $29\frac{4}{1,000}$  \_\_\_\_\_

18.  $8\frac{17}{1,000}$  \_\_\_\_\_

19.  $\frac{6}{100}$  \_\_\_\_\_

20.  $5\frac{106}{1,000}$  \_\_\_\_\_

21.  $37\frac{3}{100}$  \_\_\_\_\_

Circle the value that is not equivalent to the other values.

22. 2.6      2.60      2.06      2.600      23. 4.07      4.070      4.70      4.0700

24. 65.800      65.8      65.08      65.80      25. 37.6      37.060      37.0600      37.06

26. Write three decimals that are equivalent.

\_\_\_\_\_

27. Write the decimals in Exercise 26 as fractions.

\_\_\_\_\_

**Homework**

Write each amount as a decimal number.

1. 9 tenths \_\_\_\_\_

2. 52 thousandths \_\_\_\_\_

3. 8 hundredths \_\_\_\_\_

4. 3 cents \_\_\_\_\_

5.  $\frac{65}{100}$  \_\_\_\_\_

6.  $\frac{548}{1,000}$  \_\_\_\_\_

7.  $\frac{12}{1,000}$  \_\_\_\_\_

8.  $\frac{7}{100}$  \_\_\_\_\_

9. 4 thousandths \_\_\_\_\_

Circle the value that is *not* equivalent to the other values.

10. 0.47    0.470    0.407    0.4700    11. 0.5    0.50     $\frac{5}{10}$     0.05

12. 0.801    0.810    0.81    0.8100    13. 0.700    0.70    0.07    0.7

14. 0.39    0.390     $\frac{39}{100}$      $\frac{39}{1,000}$     15. 0.04    0.40    0.040    0.0400

Compare. Write > (greater than) or < (less than).

16. 0.36 ○ 0.8

17. 0.405 ○ 0.62

18. 0.91 ○ 0.95

19. 0.45 ○ 0.4

20. 0.836 ○ 0.83

21. 0.299 ○ 0.3

22. 0.621 ○ 0.612

23. 0.7 ○ 0.07

24. 0.504 ○ 0.54

A store had the same amount of five fabrics. The chart shows the how much of each fabric is left. Use the data to answer each question.

25. The store sold the most of which fabric? Explain.

\_\_\_\_\_

26. The store sold the least of which fabric? Explain.

\_\_\_\_\_

27. The same amount of which fabrics is left? Explain.

\_\_\_\_\_

Red fabric	0.510 yd
Blue fabric	0.492 yd
Yellow fabric	0.6 yd
White fabric	0.51 yd
Black fabric	0.48 yd

# Homework

The chart at the right shows the time each member of a relay team ran during a race. Use the data to answer each question.

Jack	47.51 sec
Dusty	47.49 sec
Brandon	47.6 sec
Raj	47.57 sec

1. How much longer did Jack run than Dusty?

\_\_\_\_\_

2. How much time did it take Brandon and Raj to complete their two legs of the race combined?

\_\_\_\_\_

3. Which two runners had the greatest difference in their running times? What is the difference?

\_\_\_\_\_

Copy each exercise. Then add or subtract.

4.  $0.9 + 0.06 =$  \_\_\_\_\_

5.  $0.47 + 0.25 =$  \_\_\_\_\_

6.  $0.56 + 0.91 =$  \_\_\_\_\_

7.  $1.4 - 0.9 =$  \_\_\_\_\_

8.  $5 - 1.5 =$  \_\_\_\_\_

9.  $3.7 - 2.49 =$  \_\_\_\_\_

10.  $0.08 + 0.6 =$  \_\_\_\_\_

11.  $0.48 + 0.39 =$  \_\_\_\_\_

12.  $19 + 1.04 =$  \_\_\_\_\_

13.  $3 - 0.05 =$  \_\_\_\_\_

14.  $4.09 - 0.2 =$  \_\_\_\_\_

15.  $6.07 - 4 =$  \_\_\_\_\_

**Homework**

Use the number 724,062.58 for each exercise.

1. Increase the number by 0.07. \_\_\_\_\_
2. Decrease the number by 100,000. \_\_\_\_\_
3. Add 8 in the hundreds place. \_\_\_\_\_
4. Subtract 2 from the hundredths place. \_\_\_\_\_

Copy each exercise. Then add or subtract.

5.  $\$37 + 45¢ =$  \_\_\_\_\_      6.  $\$82.06 + 25¢ =$  \_\_\_\_\_      7.  $59¢ + \$4.23 =$  \_\_\_\_\_

8.  $9 \text{ m} + 0.05 \text{ m} =$  \_\_\_\_\_      9.  $92.24 + 3.6 =$  \_\_\_\_\_      10.  $5 \text{ m} + 0.08 \text{ m} =$  \_\_\_\_\_

11.  $231 + 0.26 =$  \_\_\_\_\_      12.  $46.08 + 0.97 =$  \_\_\_\_\_      13.  $6.4 \text{ m} + 0.07 \text{ m} =$  \_\_\_\_\_

Solve.

*Show your work.*

14. Lina is making curtains and a decorative pillow for her bedroom. She needs 0.75 meter of cloth for the pillow and 4.67 meters for the curtains. How much cloth does she need in all?

\_\_\_\_\_

15. Olivia is buying a jacket that costs \$85.99. The sales tax that will be added to the cost of the jacket is \$5.16. What is the total cost of the jacket including sales tax?

\_\_\_\_\_

# Homework

Copy each exercise. Then subtract.

1.  $6,000 - 348 =$  \_\_\_\_\_      2.  $7,364 - 937 =$  \_\_\_\_\_      3.  $50,821 - 3,617 =$  \_\_\_\_\_

4.  $720.95 - 286.4 =$  \_\_\_\_\_      5.  $18,652 - 4.31 =$  \_\_\_\_\_      6.  $350.6 - 176.54 =$  \_\_\_\_\_

Solve.

*Show your work.*

7. Ahmad had a piece of rope that was 7.14 meters long. He cut off 0.09 meter to practice making knots. What was the length of the rope after the cut?

\_\_\_\_\_

8. Natasha has a large collection of books. The thickest book measures 4.9 centimeters. The thinnest book measures 1.8 centimeters. What is the difference in thicknesses of those two books?

\_\_\_\_\_

9. Yoshi saved \$1,238.46 for a vacation in Mexico. While in Mexico, she spent \$975. What amount of money did Yoshi not spend?

\_\_\_\_\_

10. Tarantulas are one of the largest spiders on Earth. A tarantula can grow to be about 6.8 centimeters long. A spitting spider can grow to be about 0.9 centimeters long. About how much longer are the largest tarantulas than the largest spitting spiders?

\_\_\_\_\_

**Homework**

Use what you know about the Commutative Property to solve for  $n$ .

1.  $26,184 + 1,546 = 1,546 + n$

$n = \underline{\hspace{2cm}}$

2.  $17.39 + 12.58 = 12.58 + n$

$n = \underline{\hspace{2cm}}$

Regroup the numbers using the Associative Property. Then add.

3.  $(\frac{7}{10} + \frac{3}{4}) + \frac{1}{4} =$

\_\_\_\_\_

4.  $1.02 + (0.98 + 4.87) =$

\_\_\_\_\_

5.  $2\frac{5}{8} + (\frac{3}{8} + \frac{2}{3}) =$

\_\_\_\_\_

Use the Distributive Property to rewrite the problem so it has only two factors. Then solve.

6.  $(25 \times 9) + (75 \times 9) =$

\_\_\_\_\_

Group the numbers to make the addition easier. Then add.

$$\begin{array}{r} 7. \quad 20,000 \\ \quad 70,000 \\ \quad 30,000 \\ \quad 68,000 \\ + 80,000 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 10.75 \\ \quad 10.4 \\ \quad 10.25 \\ \quad 10.57 \\ + 10.6 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 1.600 \\ \quad 1.200 \\ \quad 1.200 \\ + 1.479 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 1\frac{7}{11} \\ \quad 5\frac{5}{6} \\ \quad \frac{3}{11} \\ \quad 2\frac{1}{6} \\ + \frac{1}{11} \\ \hline \end{array}$$

11. On Monday, Mr. Borden ran 4.6 miles in the morning and 0.78 miles that afternoon. On Tuesday, he ran 3.4 miles. How much did he run on Monday and Tuesday all together. Write an equation and solve.

\_\_\_\_\_

**Homework**

Round to the nearest whole number.

1. 8.36 \_\_\_\_\_

2. 18.7 \_\_\_\_\_

3. 9.831 \_\_\_\_\_

Round to the nearest tenth.

4. 24.316 \_\_\_\_\_

5. 5.28 \_\_\_\_\_

6. 23.017 \_\_\_\_\_

Round to the nearest hundredth.

7. 58.635 \_\_\_\_\_

8. 7.214 \_\_\_\_\_

9. 210.097 \_\_\_\_\_

Estimate each sum or difference.

10.  $\$46.78 - \$18.55$  \_\_\_\_\_

11.  $12.3 + 4.7$  \_\_\_\_\_

12.  $9.586 + 3.097$  \_\_\_\_\_

Solve.

*Show your work.*

13. A decimal number changed to 23.7 after it was rounded. Give a decimal number that is less than 23.7 and another that is greater than 23.7 that each round to 23.7. Explain to what place each number was rounded.

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14. When Marla rounded 19.95 to the nearest tenth, she found the number changed to 20. Is this correct? Explain.

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15. Peter decided that the total cost for a \$24.55 pair of jeans and a \$12.25 shirt was \$26.80. Was Peter's answer reasonable? Explain why or why not.

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16. Biruk wants to buy a book for \$15.25 and a book for \$4.85. He wants to pay with one \$20 bill. Use estimation to decide if this is reasonable. Explain to what place value to round for an estimate that is useful in this situation.

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# Homework

Jamal made a bar graph to compare the weights of 4 puppies in the animal shelter.

1. How much did the poodle weigh?

\_\_\_\_\_

2. List the puppies in order from heaviest to lightest.

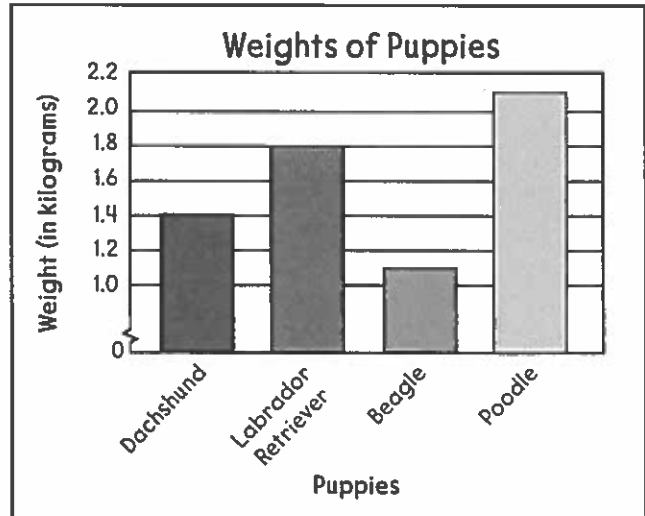
\_\_\_\_\_

3. What is the combined weights of the Labrador retriever and the beagle?

\_\_\_\_\_

4. How much more did the Labrador retriever weigh than the dachshund?

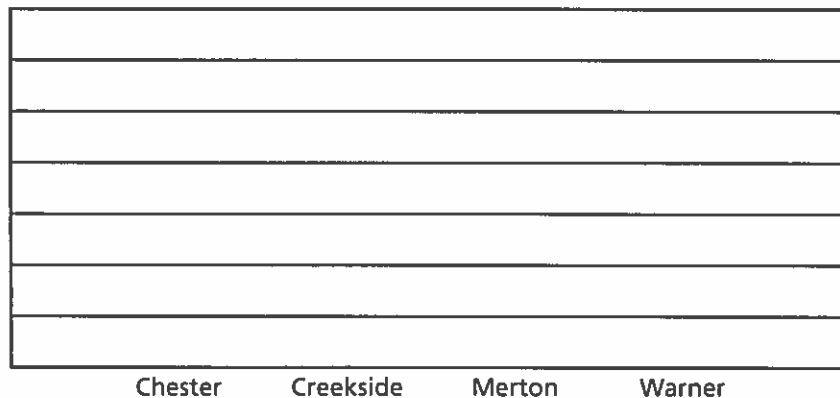
\_\_\_\_\_



The table shows the amount of rainfall this month in 4 different cities.

City	Rainfall Amounts
Chester	0.20 cm
Creekside	0.10 cm
Merton	0.05 cm
Warner	0.25 cm

5. Make a bar graph showing this information. Remember to give your graph a title, labels, and a scale.



## Homework

Look again at the table on Student Book page 54.

It shows how far from the sun the planets in our solar system orbit. For example, it shows that Jupiter (5.2 AU) orbits *about* 5 times farther from the sun than Earth (1 AU) because  $1 \times 5 = 5$ .

On a grid where 1 grid square = 1 AU, a dot for Earth would be 1 grid square away from the sun, and a dot for Jupiter would be about 5 grid squares away.

On the left side of the grid below, draw a dot to represent the sun. Then using the scale 1 grid square = 1 AU, draw and label a dot for each of the eight planets to show their relative distances from the sun.

