3–1

Homework

Name _____ Date _____

The following shows how place value and money are related.

ones ($1.00)	.	tenths (dimes)	hundredths (pennies)	thousandths (tenths of a penny)

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?

_____

3–1 Name Date

Remembering

Solve for each unknown.

1. $9 \times w = 63$

   $w =$ _____

2. $42 \div 7 = c$

   $c =$ _____

3. $q \times 8 = 40$

   $q =$ _____

4. $k \div 6 = 9$

   $k =$ _____

5. $7d = 56$

   $d =$ _____

6. $28 \div 4 = x$

   $x =$ _____

7. $6 \cdot 8 = h$

   $h =$ _____

8. $36 \div z = 9$

   $z =$ _____

9. $8 \cdot g = 72$

   $g =$ _____

In each table, write a multiplication rule. Include two variables in each rule you write. Then complete the table.

10.

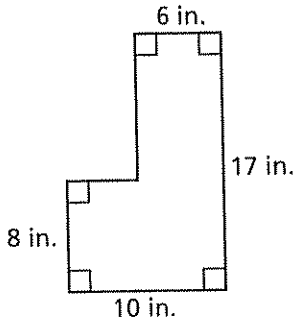
Rule:					
Number of packages (p)	3	5	8		11
Number of erasers (e)	27		72	90	

11.

Rule:					
Number of rows (r)	2	4	6		
Number of seats (s)	16	32		64	88

Solve.

12. Lyle found the area of the figure on the right to be 34 in.^{2} and the perimeter to be 40 in. Is he correct? If not, explain how to find each correct answer.



_____

_____

13. Julio earned $\frac{1}{4}$ the number of points as Paulos. If Julio earned 8 points, how many points did Paulos earn?

_____

Copyright © Houghton Mifflin Company. All rights reserved.

3–2 Name Date

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

3–2 Name Date

Remembering

Solve for each unknown.

1. $h \times 7 = 49$

   $h =$ _____

2. $s \div 8 = 7$

   $s =$ _____

3. $8 \times b = 32$

   $b =$ _____

4. $48 \div 6 = x$

   $x =$ _____

5. $10 \cdot a = 0$

   $a =$ _____

6. $54 \div 9 = y$

   $y =$ _____

7. $5 \cdot 4 = d$

   $d =$ _____

8. $63 \div n = 9$

   $n =$ _____

9. $6 \cdot t = 36$

   $t =$ _____

10. $72 \div r = 9$

    $r =$ _____

11. $5 \times 9 = v$

    $v =$ _____

12. $\frac{27}{3} = m$

    $m =$ _____

Solve the Factor Puzzles.

13.

		48	
	21	24	

14.

21	
63	54

15.

21	63
	36

Solve.

16. Franco is ordering lunch with a drink, sandwich, and a salad. He has a choice of 3 drinks, 2 sandwiches, and 4 salads. How many possible lunches are there?

    _____

17. Tamara has 4 times as many pages to read for her book report as Maria. Tamara has 20 pages left to read. How many pages does Maria have left to read?

    _____

18. Dae Youn wants to place new carpet in his room. The floor in his room has a width of 6 feet and a length of 10 feet. How much carpet does he need?

    _____

Copyright © Houghton Mifflin Company. All rights reserved.

3–3 Name _____ Date _____

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. $\frac{21}{100}$ _____

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

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

26. 14.08 ◯ 14.80

27. 789.152 ◯ 789.15

28. 3.071 ◯ 3.007

Order the decimal numbers from least to greatest.

29. 943.18, 94.18, 943.179, 94.183,

_____

3-3 Name Date

Remembering

1. $6 \times a = 24$

   $a =$ _____

2. $28 \div 7 = x$

   $x =$ _____

3. $j \times 7 = 42$

   $j =$ _____

4. $y \times 9 = 54$

   $y =$ _____

5. $k \cdot 9 = 81$

   $k =$ _____

6. $56 \div 8 = s$

   $s =$ _____

7. $8 \cdot 5 = z$

   $z =$ _____

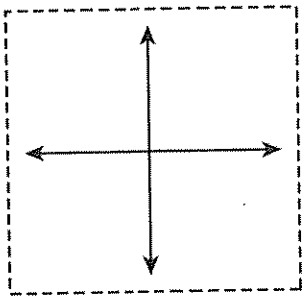
8. $63 \div u = 9$

   $u =$ _____

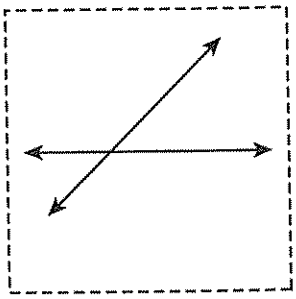
9. $6 \cdot n = 48$

   $n =$ _____

Describe the angles that appear to be formed by the intersection of the lines as acute, obtuse or right.

10. 

_____

11. 

_____

12. Erika drew a triangle having a base of 6 inches and a height of 8 inches. Trevor drew a square having a side measure of 5 inches. Rena drew a parallelogram having a base of 12 inches and a height of 2 inches.

    Of the figures that were drawn, which has the greatest area? On the lines below, explain your answer.

    Show your work.

area of a parallelogram = base × height
area of a square = side × side
area of a triangle = $\frac{\text{base} \times \text{height}}{2}$

_____

_____

_____

Copyright © Houghton Mifflin Company. All rights reserved.

3–4

Name _____ Date _____

Homework

The chart at the right shows the average speed of four horses during a race. Use the data to answer each question.

Fast Jack	47.510 mph
Gold Dust	47.492 mph
Fire Brand	47.6 mph
Relentless	47.51 mph

1. Which horse had the greatest speed?

_____

2. Which horse had the slowest speed?

_____

3. Which horses had identical speeds?

_____

Copy each exercise. Then add or subtract.

4. 0.9 + 0.06 = _____

5. 0.47 + 0.258 = _____

6. 0.56 + 0.913 = _____

7. 1.4 − 0.9 = _____

8. 5 − 1.5 = _____

9. 3.7 − 2.49 = _____

10. 0.008 + 0.6 = _____

11. 0.482 + 0.309 = _____

12. 19 + 1.044 = _____

13. 3 − 0.005 = _____

14. 0.409 − 0.20 = _____

15. 6.07 − 4 = _____

3–4 Name Date

Remembering

Solve for each unknown.

1. $a \div 4 = 10$

$a =$ _____

2. $3 \cdot c = 27$

$c =$ _____

3. $24 \div d = 6$

$d =$ _____

4. $e \times 9 = 36$

$e =$ _____

5. $64 \div 8 = j$

$j =$ _____

6. $8b = 16$

$b =$ _____

7. $g = 5 \times 7$

$g =$ _____

8. $7 = h \div 3$

$h =$ _____

9. $30 = 6 \cdot r$

$r =$ _____

10. $(16 - 7) \times 2 = m$

$m =$ _____

11. $p = 16 - (7 \times 2)$

$p =$ _____

12. $(2 \times 3) - (1 \times 5) = v$

$v =$ _____

13. $2 \times (3 - 1) \times 5 = s$

$s =$ _____

14. $w = (24 \div 3) + 9$

$w =$ _____

15. $5 + 7 + (6 \div 3) = q$

$q =$ _____

Solve.

16. Yoshi is making cards. He can choose from 4 colors of markers and 5 colors of paper. How many different ways can he create a card?

_____

17. On the front of each card, Yoshi centers 3 rows with 6 stickers in each row. How many stickers does he use on the front of each card?

_____

18. To make cards, Yoshi bought new markers. Each package he bought had 8 markers. He used 7 markers and had 25 markers left. How many package of markers did he buy?

_____

19. Yoshi figured out that it costs him $2 for the supplies to make one card. So, he decided to sell each card for $5. If he sells 6 cards, how much does Yoshi earn in profit?

_____

Copyright © Houghton Mifflin Company. All rights reserved.

Name _____ Date _____

Remembering

Solve for each unknown.

1. $s \times 4 = 16$

   $s =$ _____

2. $d \div 2 = 10$

   $d =$ _____

3. $7 \times e = 49$

   $e =$ _____

4. $72 \div 9 = x$

   $x =$ _____

5. $6 \cdot c = 42$

   $c =$ _____

6. $54 \div 9 = r$

   $r =$ _____

7. $8 \cdot 6 = v$

   $v =$ _____

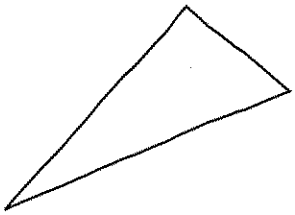
8. $32 \div g = 8$

   $g =$ _____

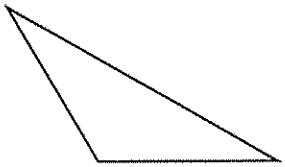
9. $7 \cdot t = 63$

   $t =$ _____

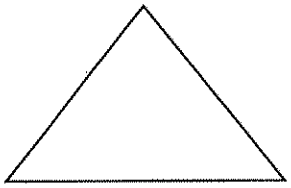
Write acute, right, or obtuse for each triangle.

10. 

_____

11. 

_____

12. 

_____

In each table, write a multiplication rule in words and as an equation with two variables. Then complete the table.

13.

Rule in words:					
Equation					
Hours (h)	1	2	3		6
Distance in miles (m)	10	20		50	60

14.

Rule in words:					
Equation					
Distance in feet (f)		1	4	2	5
Seconds (s)	0	2		4	10

Copyright © Houghton Mifflin Company. All rights reserved.

3-5 Name Date

Homework

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

1. 0.15 ◯ 0.9
2. 0.52 ◯ .0307
3. 0.48 ◯ 0.6
4. 0.283 ◯ 0.238
5. 0.75 ◯ 1.4
6. 0.5 ◯ 0.05
7. 2 ◯ 0.2
8. 3.088 ◯ 3.1
9. 7.40 ◯ 4.7

Write each whole number.

10. 80 thousand = _____
11. nine million = _____
12. seven billion = _____
13. 42 million,120 = _____

Copy each exercise. Then add.

14. 0.7 + 0.05 = _____
15. 0.48 + 0.159 = _____
16. 0.25 + 0.618 = _____

Copy each exercise. Then subtract.

17. 10 − 0.35 = _____
18. 0.7 − 0.19 = _____
19. 3.6 − 2 = _____

Write these related pairs.

20. 1 million _____
21. 1 millionth _____
22. 6 billion _____
23. 6 billionth _____

24. Write 2 ways in which whole numbers and decimal numbers are different.

_____

_____

_____

_____

_____

3–6 Name _____ Date _____

Homework

Write the word name for each decimal number.

1. 0.06 _____
2. 24.7 _____
3. 1.308 _____

Follow the directions to change the number in the box.

764,259.03

4. Increase the number by 100,000. _____
5. Decrease the number by 1 hundredth. _____
6. Increase the number by 5 tenths. _____
7. Write a number with 2 more in the ten thousands place. _____
8. Rearrange the digits to make the greatest possible decimal number with two decimal places. _____

Write each number.

9. five hundred thousand = _____
10. 4 thousand and 6 tenths = _____
11. 10 and 8 hundredths = _____
12. 390 and 7 thousandths = _____

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

13. 657,894 ◯ 657,994
14. 120,705 ◯ 1,207,051
15. 3,246,000,800 ◯ 3,246,001,800
16. 4,900,754,001 ◯ 490,075,400
17. 7,504,180 ◯ 7,503,190
18. 27,546,709 ◯ 27,543,893
19. 91,257,306 ◯ 991,257,375
20. 638,697,345 ◯ 638,687,345
21. 1,753,682 ◯ 1,753,692
22. 8,004,752,390 ◯ 8,004,752,490

 Name _____ Date _____

Remembering

Copy each exercise. Then add or subtract.

1. 23 + 1.75 = _____ **2.** 0.9 − 0.62 = _____ **3.** 0.41 + 0.007 = _____

4. 6.12 − 3.1 = _____ **5.** 5 + 2.01 = _____ **6.** 5 − 4.106 = _____

Use these numbers for exercises 7 and 8: 3.7 0.196 3.07 0.02 0.5

7. Order the numbers from least to greatest. _____

8. Order the numbers from greatest to least. _____

Choose the correct number from the box at the right.

918	300.15	87.8
88.7	176.9	40.287
40,287	91.8	30,015

9. three hundred and fifteen hundredths _____

10. eighty-eight and seven tenths _____

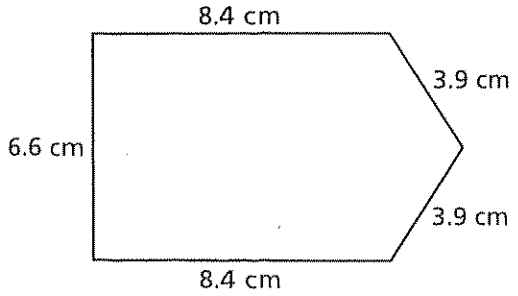
11. forty and two hundred eighty-seven thousandths _____

12. ninety-one and eight tenths _____

Solve.

13. What is the perimeter, in centimeters, of the figure below?

Perimeter = _____



Copyright © Houghton Mifflin Company. All rights reserved.

3–7

Homework

Name _____ Date _____

Use the number 724,062.581 for each exercise.

1. Increase the number by 0.007. _____
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 m + 0.05 m = _____
9. 6.4 m + 0.07 m = _____
10. 5 m + 0.08 m = _____

11. 231 + 0.26 = _____
12. 46.08 + 0.97 = _____
13. 92.24 + 3.6 = _____

Show your work.

Solve.

14. Olivia is buying a jacket that costs $84. The sales tax that will be added to the cost of the jacket is $4.65. What is the total cost of the jacket?

_____

3–7 Name Date

Remembering

Compare. Write = (is equal to) or ≠ (is not equal to).

1. 6.003 ◯ 6.03	**2.** 106.72 ◯ 106.9	**3.** 98.07 ◯ 98.070
4. 5 ◯ 5.000	**5.** 0.14 ◯ 0.104	**6.** 0.1 ◯ 0.100
7. 0.000 ◯ 0	**8.** 11.0 ◯ 11	**9.** 5.020 ◯ 5.002
10. 18.6 ◯ 18.60	**11.** 0.2 ◯ 2.0	**12.** 7.04 ◯ 7.40

Use the number 427,389.106 for exercises 13–20.

13. The digit 7 is in the _____ place.

14. The digit 1 is in the _____ place.

15. What digit is in the hundreds place? _____

16. What digit is in the thousandths place? _____

17. The digit 9 is in the _____ place.

18. What digit is in the ten thousands place? _____

19. The digit 4 is in the _____ place.

20. Write the number using words.

_____

_____

_____

Use the digits 6, 9, and 1 for exercises 21–24. Use each digit once.

21. Write the greatest three-digit whole number. _____

22. Write the smallest three-digit whole number. _____

23. Write the greatest three-digit decimal number in hundredths. _____

24. Write the smallest three-digit decimal number in tenths. _____

Copyright © Houghton Mifflin Company. All rights reserved.

3–8

Homework

Name _____ Date _____

Add each pair of numbers.

1. 80,615.405 + 3,468.27

2. 512,019 + 6,478.084

3. 2.765 + 19.6529

4. 0.825 + 647.52

5. 10,856.29 + 9,753.779

6. 901,728.6 + 7,286.903

Use the number $4,697,385.65 for exercises 7–12.

7. Add 3 million dollars. _____

8. Subtract 5 thousand dollars. _____

9. Add 20 dollars. _____

10. Take $10,000 away. _____

11. Add 2 dimes. _____

12. Subtract 1 penny. _____

Name _____ Date _____

Remembering

Solve for each unknown.

1. $(5 \cdot 8) \div 4 = c$

   $c =$ _____

2. $d = 72 \div (9 - 1)$

   $d =$ _____

3. $a = (5 \times 6) - 17$

   $a =$ _____

4. $(35 + 7) \div 7 = r$

   $r =$ _____

5. $21 \cdot s = 0$

   $s =$ _____

6. $3t = (4 + 5) \times 3$

   $t =$ _____

Solve.

Emilio is planting a garden, but he has mixed up the seeds. The seeds now need to be sorted. He has a book that tells him the lengths of different seeds. The lengths are shown below.

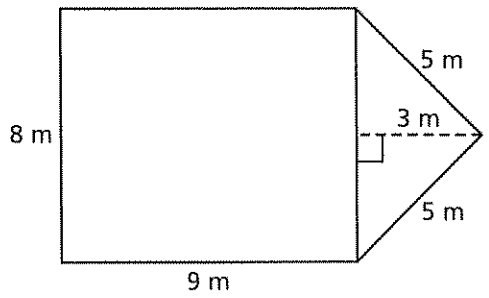
Emilio doesn't completely understand decimal numbers. You can help him by listing the seeds from longest to shortest. Then Emilio will be able to identify and sort his seeds.

Sizes of Seeds		Seeds in Order of Size
Tomato 0.3 cm	Longest	7. _____
Pumpkin 1.25 cm	↓	8. _____
Watermelon 0.9 cm	↓	9. _____
Carrot 0.15 cm	↓	10. _____
Corn 0.75 cm	↓	11. _____
Eggplant 0.25 cm	Shortest	12. _____

Write the perimeter and the area of the figure below.

13. Perimeter = _____

14. Area = _____



Copyright © Houghton Mifflin Company. All rights reserved.

3–9 Homework

Name _____ Date _____

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 0.095 meters 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?

_____

 Name _____ Date _____

Remembering

Circle the value in each group that is not equivalent to the other values.

1.	9.050	9.05	09.050	0.950	09.05
2.	1.410	1.041	01.41	1.4100	01.410
3.	2.650	02.65	2.605	2.65	02.650

Write each decimal number.

4. 2 thousand and 8 tenths _____

5. 31 thousand and 57 hundredths _____

6. 94 thousand, 631 and 7 thousandths _____

7. six million and five hundredths _____

Write each amount as a decimal number.

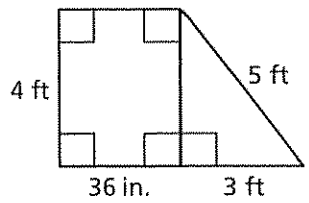
8. 6 tenths _____ **9.** 4 thousandths _____ **10.** 2 hundredths _____

11. $\frac{18}{100}$ _____ **12.** $9\frac{3}{10}$ _____ **13.** $\frac{26}{1{,}000}$ _____

14. 73 hundredths _____ **15.** 1 tenth _____ **16.** 8 thousandths _____

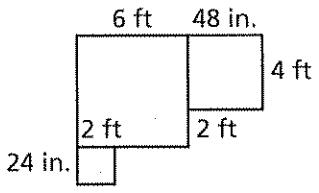
Calculate the perimeter (*P*) of each figure in *feet*.

17.



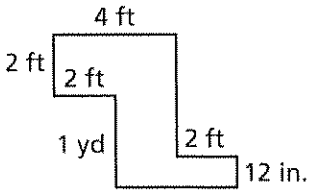
P = _____

18.



P = _____

19.



P = _____

Solve the Factor Puzzles.

20.

	8	
	10	15

21.

48	56
	63

22.

15	35
12	

Copyright © Houghton Mifflin Company. All rights reserved.

3–10 Homework

Name _____ Date _____

Use the data in the table to answer the questions that follow.

Lakefront Summer Concerts

Musical Group	*Date*	*Audience Size*	*Ticket Sales*
Wink	May 5	47,591	$475,910
Fred's Garage	May 26	59,985	$599,850
The Insiders	June 8	51,872	$518,720
The Beat Masters	June 19	43,469	$434,690
Paparazzi	June 27	56,327	$563,270

1. Which musical group entertained the largest audience? *Show your work.*

_____

2. How many total people were in the audience at the concerts during May? During June?

   May _____

   June _____

3. For each concert, 60,000 tickets could have been sold. How many tickets were not sold when The Insiders performed? When Paparazzi performed?

   The Insiders _____

   Paparazzi _____

4. What amount of money represents the total ticket sales for May? for June?

   May _____

   June _____

5. What pattern do you see between the audience size and the ticket sales? _____

6. What does this tell you about the cost of the tickets?

_____

Remembering

Use the number 24,168.05 for exercises 1–6.

1. Increase the number by 1,000. _____
2. Write the number with 2 fewer tens. _____
3. Decrease the number by 3 hundredths. _____
4. Write the number with 5 more ten thousands.

   _____
5. Write the number with 9 more in the tenths place.

   _____
6. Increase the number by 500. _____

Use the decimal numbers below to answer the questions that follow.

0.2698 2.698 0.02698 0.26980 26.980

7. Which number is the least? _____
8. Which number is the greatest? _____
9. Which two numbers are equivalent? _____

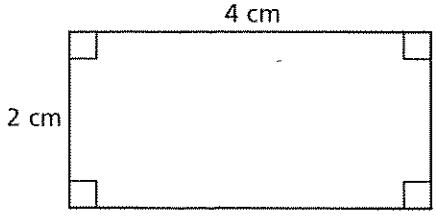
Write the equivalent measurement.

10. 36 in. = _____ ft **11.** 24 ft = _____ yd **12.** 36 in. = _____ yd

13. 2 yd = _____ in. **14.** 4 ft = _____ in. **15.** 8 yd = _____ ft

Calculate the perimeter (*P*) and the area (*A*) of each rectangle.

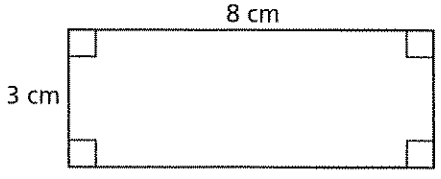
16.



P = _____

A = _____

17.



P = _____

A = _____

Copyright © Houghton Mifflin Company. All rights reserved.

3–11 Name _____ Date _____

Homework

Use the Commutative Property to solve for *n*.

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

   $n =$ _____

2. $17.39 + 12.58 = 12.58 + n$

   $n =$ _____

Regroup the numbers using the Associative Property. Then add.

3. $(389 + 700) + 300 =$

   _____

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

   _____

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

5. $(8 \times 700) + (8 \times 300) =$

   _____

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

   _____

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

7.
```
  20,000
  70,000
  30,000
  68,000
+ 80,000
```

8.
```
  10,000
  25,000
  89,000
  75,000
+ 90,000
```

9.
```
  10.75
  10.4
  10.25
  10.57
+ 10.6
```

10.
```
  1.600
  1.200
  1.200
+ 1.479
```

Subtract.

11. $\$182.09 - 37¢ =$ _____

12. $\$5{,}287.32 - 59¢ =$ _____

13. $\$362 - 48¢ =$ _____

14. $6 \text{ m} - 0.03 \text{ m} =$ _____

15. $8 \text{ dm} - 0.5 \text{ dm} =$ _____

16. $4 \text{ m} - 0.032 \text{ m} =$ _____

3–11 Name Date

Remembering

Use these decimal numbers to answer the questions that follow.

68.70 6.870 6.087 6.87 0.6870

1. Which number is the least? _____

2. Which number is the greatest? _____

3. Which two numbers are equivalent? _____

Compare. Write >, <, or =.

4. 0.09 ◯ 0.7

5. 0.30 ◯ 0.3

6. 0.86 ◯ 0.7

7. 0.461 ◯ 0.416

8. 1.9 ◯ 0.83

9. 0.5 ◯ 0.500

10. 1.26 ◯ 12.6

11. 7.00 ◯ 7

12. 2 ◯ 0.2

Solve. *Show your work.*

13. What is the greatest 3-digit whole number you can make using the digits 5, 8, and 2 once? What is the least 3-digit whole number you can make?

_____

14. What is the smallest decimal number you can make using the digits 5, 0, 8, and 2 once?

_____

15. Cherise is growing a tomato plant for her science project. At the end of the first week, the plant was 4.7 cm tall. During the second week, the plant had grown 0.9 cm. How tall was the plant at the end of the second week?

_____

Copyright © Houghton Mifflin Company. All rights reserved.

3-12

Homework

Name _____ Date _____

Use the information in each problem to make a pictograph.

1. The Horizon Book Company needs a pictograph showing the number of books sold this year. Using the information shown, make a pictograph. Give your graph a title and a key.

Children	500,000
Adults	700,000

Books for Children	
Books for Adults	
	Key: _____

2. The Melodic Music Company needs a pictograph showing the number of CDs sold this year. Using the information shown, make a pictograph. Remember to include the title and the key.

Rock	40,000
Country	30,000
Jazz	15,000
Classical	5,000

Rock	
Country	
Jazz	
Classical	
	Key: _____

3. Ask 2 questions about your pictograph for problem 2 and then answer them.

_____

_____

_____

_____

3–12 Name Date

Remembering

Answer each question about the decimal numbers.

58.76 5.876 0.05876 5.8760 0.5876

1. Which number is the smallest?

_____

2. Which number is the greatest?

_____

3. Which two numbers are equivalent?

_____

Write each number.

4. seven tenths

_____

5. thirty million

_____

6. eight hundredths

_____

7. four million one

_____

8. forty-five thousand six

_____

9. seven hundred fifty thousand ten

_____

10. eighty thousand twenty-nine

_____

11. two thousandths

_____

For each measurement, write an equivalent length in decimeters (dm), centimeters (cm), and millimeters (mm).

12. 13.74 m _____ dm _____ cm _____ mm

13. 0.85 m _____ dm _____ cm _____ mm

Copyright © Houghton Mifflin Company. All rights reserved.

3–13 Name _____ Date _____

Homework

Round to the nearest ten.

1. 62 _____ 2. 91 _____

Round to the nearest thousand.

3. 3,205 _____ 4. 8,500 _____

Round to the nearest hundred.

5. 493 _____ 6. 1,580 _____

Round to the nearest 10 thousand.

7. 50,926 _____ 8. 75,612 _____

Decide whether a *safe* or an *ordinary* estimate is needed. Then estimate to find each answer.

Show your work.

9. Amy has 5,805 large beads and 3,950 small beads. About how many more large beads than small beads does Amy have?

_____

10. Lincoln School has 54 fifth-graders, and Elm School has 38 fifth-graders. The two schools will have a party together. Each fifth-grade student will get a balloon. About how many balloons should the teachers buy?

_____

11. In a parking garage, there are 598 cars and 214 vans. About how many vehicles are in the parking garage altogether?

_____

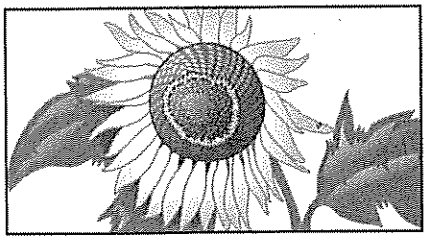
12. A sports shop sold $15,679 worth of roller blades and $16,231 worth of skateboards this year. About how much money did the shop make on these two items?

_____

3-13 Name Date

Remembering

At the county fair each August, there is a contest to see who can grow the tallest sunflower. Below is a table that shows how tall each sunflower plant is.



1. Make a list showing whose plants got first place, second place, and third place.

Sunflower Growers

Arturo	4.781 m
Jan	5.935 m
Shen	6.105 m
Max	6.20 m
Madison	5.92 m
Alex	5.915 m

First Place _____

Second Place _____

Third Place _____

Solve.

2. Michaela, Simone, and Veronica want to buy T-shirts for the science club. If the club treasurer gives them $35.00, and they spend $27.50 on the T-shirts, how much money will they have left?

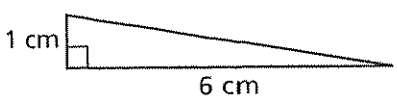
Show your work.

_____

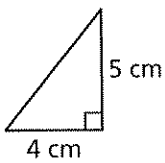
3. Michaela, Simone, and Veronica want to buy special glitter paint with the leftover money. The paint is on sale. They can buy 3 tubes for $6.00. Do they have enough money to buy 3 tubes of paint? If so, how much money will they have left?

_____

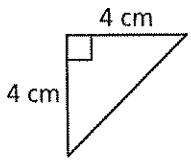
Find the area of each right triangle.

4. 

_____

5. 

_____

6. 

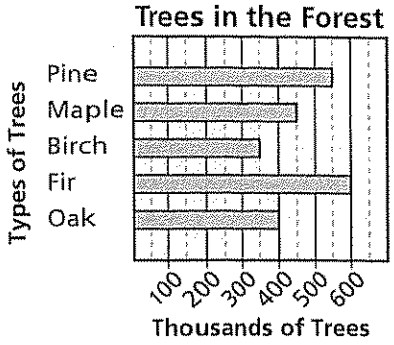
_____

Copyright © Houghton Mifflin Company. All rights reserved.

3–14 Homework

Name _____ Date _____

A forest ranger estimated the number of trees in the forest and made this bar graph.



1. About how many maple trees are in the forest?

_____

2. About how many fir and pine trees are there altogether?

_____

3. About how many more oak trees are there than birch trees?

_____

4. Write an estimate of the total number of trees in the forest.

_____

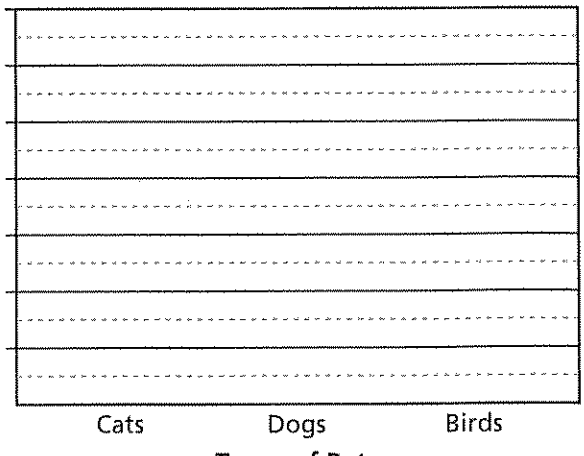
Make a bar graph.

The table below shows an estimate of the number of cats, dogs, and birds kept as pets in the United States.

5. Make a bar graph to show these data. Make your own scale.

Cats	59,000,000
Dogs	53,000,000
Birds	13,000,000

Common Pets in the United States



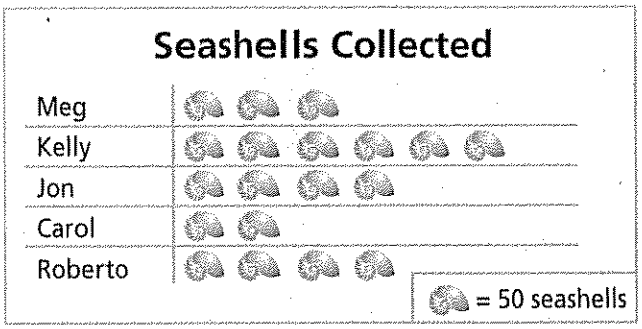
3–14 Name _____ Date _____

Remembering

Add or subtract. Use a separate sheet of paper.

1. 2,387,046 + 6,125,348 _____
2. 38.567 + 4.286 _____
3. 50,000 − 8,936.2 _____
4. 5.004 + 0.38 _____
5. 0.0852 − 0.039 _____
6. 5.004 − 0.38 _____

Use the pictograph to solve.



7. Who has more seashells than Meg?

_____

8. How many more seashells did Jon collect than Carol?

_____

9. How many seashells did Kelly collect?

_____

Solve the Factor Puzzles.

10.

	21	42
		30

11.

24	36
6	

12.

10	
14	56

Copyright © Houghton Mifflin Company. All rights reserved.

3–15 Homework

Name _____ Date _____

1. Round to the nearest whole number.

   a. 8.36 _____

   b. 18.7 _____

2. Round to the nearest hundredth.

   a. 58.635 _____

   b. 7.214 _____

3. Round to the nearest tenth.

   a. 24.316 _____

   b. 5.23 _____

4. Round to the nearest thousandth.

   a. 7.1488 _____

   b. 38.0769 _____

Copy and estimate each sum or difference.

5. $46.78 – $18.55

6. 12.3 + 4.7

7. 9.586 + 3.097

Show your work.

Solve.

8. 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.

   _____

   _____

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

   _____

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

    _____

11. 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.

    _____

    _____

    _____

3–15 Name Date

Remembering

Add or subtract.

1. 41,253,270 + 6,050
2. 14,365,024 + 7,840,993
3. 5,000,000 − 563,000
4. 35,789,630 − 2,894
5. 83,918.7 + 605.357
6. 10,250 − 4,200.24
7. 9,473.2 + 851.69
8. 756.42 − 94.51

Use the Commutative Property to solve for *n*.

9. 98,551 + 2,841 = 2,841 + *n*

   n = _____

10. 65.18 + 75.43 = 75.43 + *n*

    n = _____

Use the Associative Property to regroup the numbers. Then add.

11. (496 + 800) + 200

    _____

12. 2.25 + (0.75 + 8.57)

    _____

Solve. *Show your work.*

13. Nathaniel says his string project uses 7.5 ft of string. Kara says her project uses 7.52 ft of string. Who used the least amount of string? Explain how you know.

    _____

14. Last month, Myles ran 14.55 miles while training for a marathon. Frances ran 0.6 miles farther than Myles. How far did Frances run last month?

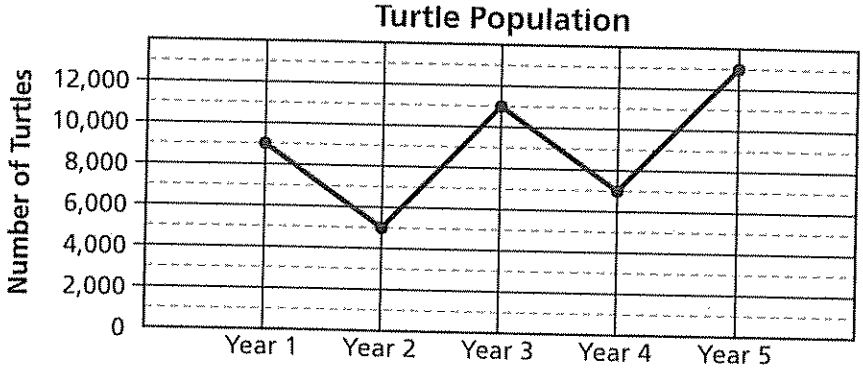
    _____

Copyright © Houghton Mifflin Company. All rights reserved.

3–16 Name Date

Homework

Use the line graph below to answer the questions that follow.



1. The graph shows the turtle population at the end of each year during a 5-year period. What was the turtle population in Year 4? _____

2. How much greater was the population in Year 1 than in Year 2? _____

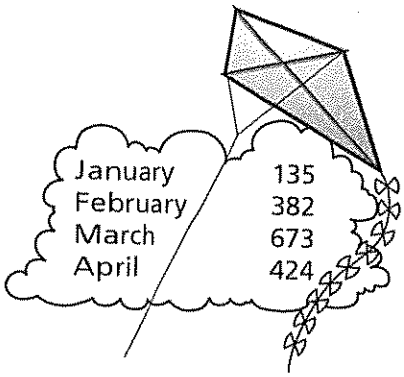
3. Which year represents the greatest turtle population? What was the population that year?

_____

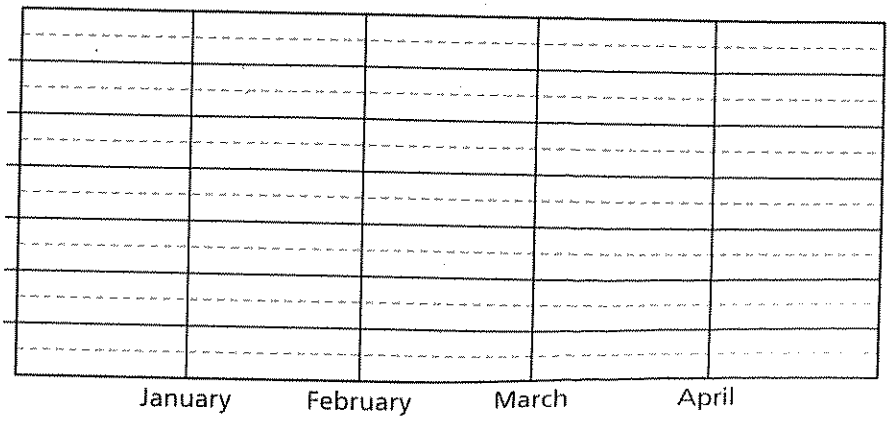
Make a line graph.

4. The table at the right shows a store's inventory of kites at the end of 4 months. Make a graph below to show an estimate of the number of kites at the end of each month. Make your own scale and title.

January	135
February	382
March	673
April	424



_____

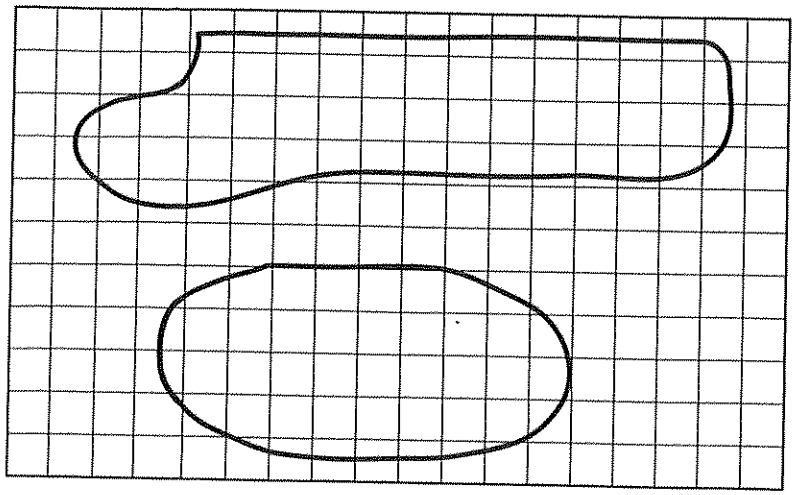


Name _____ Date _____

Remembering

Estimate the area and perimeter of each figure. Each side of each grid square represents 1 cm.

1.



$P =$ _____

$A =$ _____

2.

$P =$ _____

$A =$ _____

Solve.

3. Chris counted the number of steps he took on his way to school. He took 943 steps to get to his friend's house, and then another 1,208 steps to get to school. How many steps did he take altogether?

Show your work.

_____

4. Devon cares for two puppies. One puppy weighs 8.54 pounds. The other puppy weighs 12.39 pounds. How much do the two puppies weigh altogether?

_____

Round each given decimal number to the nearest whole number, tenth, and hundredth.

5. 14.852 _____ _____ _____

6. 7.149 _____ _____ _____

7. 912.574 _____ _____ _____

8. 23.631 _____ _____ _____

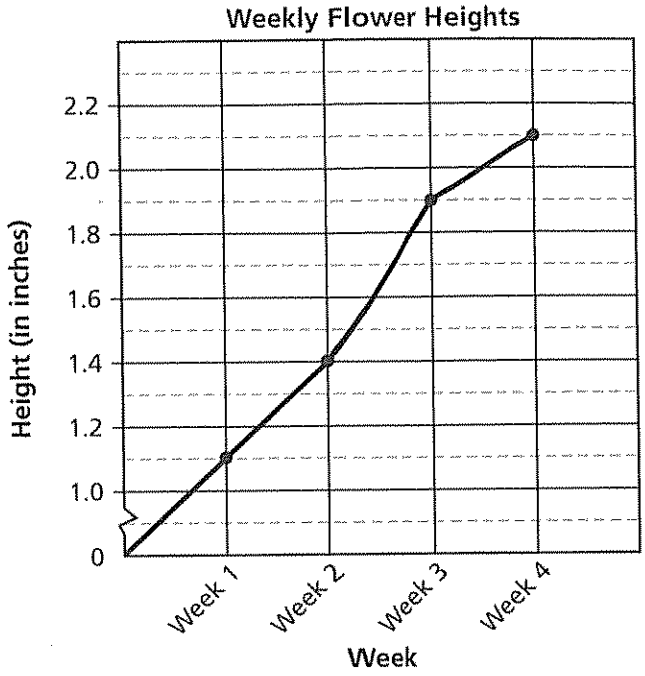
Copyright © Houghton Mifflin Company. All rights reserved.

3–17

Homework

Name _____ Date _____

Jamal made a line graph to show the weekly growth of a flower he planted from a seed.



1. How much did the flower grow by Week 1?

_____

2. How much did the flower grow between week 3 and week 4?

_____

3. The flower reached its maximum height on Week 4. What is the tallest this flower will grow?

_____

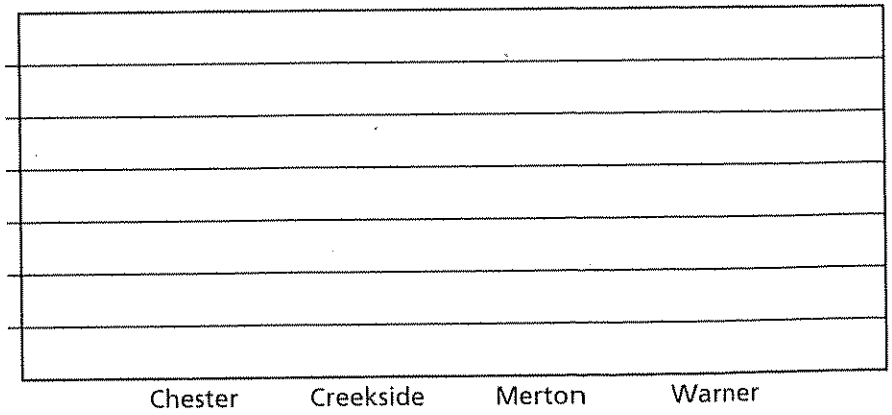
4. Between which two weeks did the flower grow the most?

_____

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

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 and a scale.



 Name _____ Date _____

Remembering

Estimate.

Show your work.

1. The bird watchers of Pine County counted 2,956 cardinals, 3,204 finches, and 978 hawks this summer. About how many cardinals, finches, and hawks did they count in all?

_____

2. Anne-Marie has $125. She wants to buy a jacket for $94 and some boots for $32. Should she estimate the total with a safe estimate or an ordinary estimate? Does she have enough money?

_____

_____

_____

3. The Lightfoot Library has 31,823 books, but 9,625 are checked out right now. About how many books are still on the shelves?

_____

4. A toothbrush factory made 2,461,200 electric toothbrushes and 5,847,500 regular toothbrushes this week. About how many toothbrushes did the factory make in all?

_____

Write a decimal equivalent for each fraction.

5. $\frac{76}{100}$ _____

6. $\frac{349}{100}$ _____

7. $\frac{9}{100}$ _____

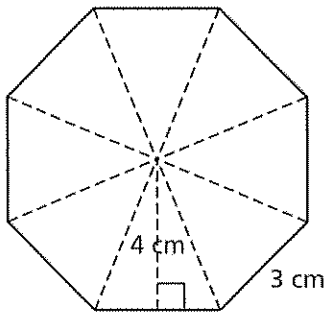
8. $\frac{5}{100}$ _____

9. $\frac{2}{10}$ _____

10. How many congruent isosceles triangles are inside the regular octagon? _____

11. What is the area of each triangle? _____

12. What is the area of the octagon? _____



Copyright © Houghton Mifflin Company. All rights reserved.

3–18

Homework

Name _____ Date _____

In your Math Journal or on a sheet of paper, write a word problem for each situation and answer the questions.

Situation 1

1. Write a word problem that represents a change situation.
2. Did you write a change plus or a change minus situation?
3. Is your situation an unknown result, unknown change, or unknown start?

Situation 2

4. Write a word problem that represents a collection situation.
5. Does your situation include an unknown total or an unknown partner?
6. Does you situation represent a take apart, put together, or no action situation?

Situation 3

7. Write a word problem that represents a comparison situation.
8. Does your situation have an unknown difference or an unknown quantity?

Solve these comparison problems. *Show your work.*

9. Camille collected 13 shells from the beach. Her friend Sarah collected 10 times as many. How many shells did Sarah collect? _____
10. Last week, Armando read 285 pages of a book. This week, he read 196 pages. How many fewer pages did he read this week? _____
11. The Eiffel Tower in Paris is 300 meters tall. It is 253.5 meters taller than the Statue of Liberty. How tall is the Statue of Liberty? _____

3-18 Name Date

Remembering

Add or subtract. Use a separate sheet of paper.

1. 17,092 − 3,746 = _____

2. 657.92 + 53.035 = _____

3. 62.004 − 48.65 = _____

4. 831.5 − 46.75 = _____

5. 190.98 + 256.3 = _____

6. 41.003 − 7.02 = _____

7. 24 − 0.04 = _____

8. 9.72 + 31 = _____

Use the Distributive Property to rewrite the expressions. Then multiply.

9. (7 × 600) + (7 × 400)

_____

10. (30 × 6) + (70 × 6)

_____

Solve. *Show your work.*

11. Antonia bought 6.25 yards of fabric for two school projects. She used 3.75 yards for the first project. She needs at least 3 yards for her second project. Does Antonia have enough fabric? Explain how you can use estimation to find your answer.

_____

_____

12. Logan has 5.33 pounds of flour in his bakery. He bought 11.59 pounds more flour. He needs at most 16 pounds of flour. Does Logan have enough flour? Explain how you can use estimation to find your answer.

_____

_____

_____

Copyright © Houghton Mifflin Company. All rights reserved.

3–19 Name Date

Homework

Write a situation equation and a solution equation for each problem. Then solve the problem.

1. At the chicken ranch this morning there were 7,149 chicks. Later today some more chicks hatched. Now the ranch has 8,945 chicks. How many new chicks hatched today?

Situation Equation _____ Solution Equation _____ Answer _____

2. The library had a large collection of books. Then the librarian ordered 2,000 more books. Now there are 12,358 books. How many books were there at the start?

Situation Equation _____ Solution Equation _____ Answer _____

3. Rosa's parents collected $682 at their yard sale. They paid her for helping out that day. Now they have $662.25. How much money did Rosa's parents pay her?

Situation Equation _____ Solution Equation _____ Answer _____

4. Marco sells caramel apples at the state fair. Today he sold 957 apples, and now he has 1,062 left to sell. How many caramel apples did Marco begin with?

Situation Equation _____ Solution Equation _____ Answer _____

Find the unknown number. Use mental math if you can.

5. $80{,}000 + r = 82{,}000$ $r =$ _____

6. $0.005 + g = 0.105$ $g =$ _____

7. $r + 655 = 2{,}655$ $t =$ _____

8. $b + 0.36 = 25.36$ $b =$ _____

9. $6{,}500 = 7{,}000 - z$ $z =$ _____

10. $0.135 = 0.130 + c$ $c =$ _____

11. $f - 10{,}000 = 25{,}000$ $f =$ _____

12. $w - 2.5 = 0.3$ $w =$ _____

3–19

Name _____ Date _____

Remembering

Name the most sensible metric unit for each measurement.

1. The width of this button.

_____

2. The length of this pencil.

_____

3. The length of an ant.

_____

4. The longest dimension of your classroom.

_____

Write a whole or decimal number for each word name.

5. eight tenths

_____

6. twenty million

_____

7. five million, ten

_____

8. sixty-five thousand, four

_____

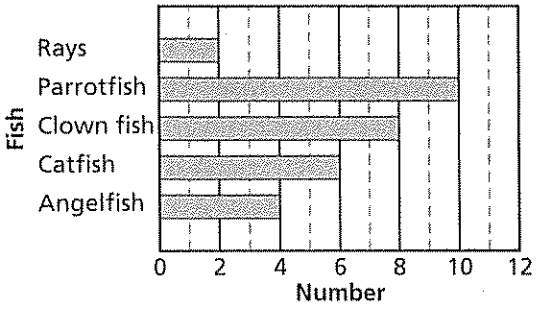
9. two hundred forty thousand, twelve

_____

10. six hundred four thousand

_____

Use the bar graph at the right to answer the following questions.



11. How many angelfish are in the aquarium?

_____

12. How many catfish and clown fish are there altogether?

_____

Copyright © Houghton Mifflin Company. All rights reserved.

3–20 Name Date

Homework

Solve. *Show your work.*

1. There are 476,092 fish in the city aquarium. That number of fish is 476,070 more fish than Nadia has in her aquarium. How many fish does Nadia have in her aquarium?

_____

2. The Follett family traveled 2,145 miles this summer. They traveled 1,296 fewer miles than the Garcia family. How far did the Garcia family travel?

_____

3. A 15-year-old boy built the largest house of cards on record. It was made of 15,714 cards. Today Michael built a house of cards that was made of 200 cards. How many more cards must he use to tie the record?

_____

4. Maria wants to buy a new car. She will choose a green car or a silver car. The green car costs $16,898, and the silver car costs $1,059.75 less than the green car. What is the cost of the silver car?

_____

5. A bakery has produced 5,285 loaves of bread so far this year. That number of loaves is 200 more loaves than the bakery produced last year. How many loaves of bread did the bakery produce last year?

_____

Find the unknown number. Use mental math if you can.

6. $80{,}000 - q = 60{,}000$ $q =$ _____

7. $0.003 + p = 0.403$ $p =$ _____

8. $t - 8{,}500 = 9{,}000$ $t =$ _____

9. $b + 0.005 = 0.015$ $b =$ _____

10. $7{,}000{,}000 = 7{,}000{,}020 - z$ $z =$ _____

11. $37.96 = 39.96 - c$ $c =$ _____

12. $f - 986 = 12{,}000$ $f =$ _____

13. $w - 0.5 = 16$ $w =$ _____

3–20 Name Date

Remembering

Write a situation equation and a solution equation for each problem. Then solve the problem.

1. There were 761 campers at a campground. After a number of campers went home, 659 campers remained at the campground. How many campers went home?

   _____ _____ _____

   Situation Equation Solution Equation Answer

2. After 143 new students arrived at Elm Street School, the enrollment was 1,356 students. How many students were enrolled before the new students arrived?

   _____ _____ _____

   Situation Equation Solution Equation Answer

3. April sold 200 stamps from her collection. Now she has 2,250 stamps. How many stamps were in her collection before the sale?

   _____ _____ _____

   Situation Equation Solution Equation Answer

Round to the nearest thousand.

4. 4,195 _____
5. 9,947 _____
6. 14,861 _____
7. 21,253 _____

Round to the nearest million.

8. 7,956,122 _____
9. 2,305,472 _____
10. 19,037,513 _____
11. 31,894,567 _____

Complete.

12. 48 in. = _____ ft
13. 36 ft = _____ yd
14. 7 yd = _____ ft
15. 3 yd = _____ in.
16. 2 ft = _____ in.
17. 36 in. = _____ yd

Copyright © Houghton Mifflin Company. All rights reserved.

3–21

Homework

Name _____ Date _____

Complete one or more steps to solve each problem. Show your work.

1. The regular price of an item is $9,985. The sale price of the item is $9,575. What is the difference between the sale price and the regular price of 10 items?

_____

2. The Stein family plans to drive 125.7 miles to Middletown. They drive 62.5 miles before they have to go back 10.2 miles for something they leave behind at a restaurant. How far from Middletown is the restaurant?

_____

3. A toy factory made 15,000 toys and packed them in boxes of 10 each. The factory loaded 1,275 boxes on a delivery truck. How many boxes of toys were not loaded on the truck?

_____

If the problem below has too much information, cross out the extra information. If it has too little information, tell what information is missing and add some possible missing information. Then solve each problem.

4. Jillian has $125.67 saved for a stereo. The stereo costs $175 and a television costs $295. She babysat for 4 hours this weekend and earned $7 an hour. How much more does she need to buy the stereo?

_____

_____

5. Michael ran a marathon to raise money for his favorite charity. Each sponsor agreed to pay $2 for each mile that he runs. He found a total of 6 sponsors. How much money did he raise?

_____

_____

3–21 Name _____ Date _____

Remembering

Round to the nearest 10,000 and the nearest 1,000.

1. 11,287 _____ _____

2. 45,732 _____ _____

3. 9,674 _____ _____

4. 89,135 _____ _____

Solve. Show your work.

5. Last year Paco's bonsai tree was 6.75 centimeters tall. Today it is 8.40 centimeters tall. How much has the tree grown?

_____

6. This morning the temperature outside was 12.5°C. At noon it was 3.7 degrees warmer. What was the temperature at noon?

_____

7. A tomato seed is about 0.295 centimeters long. A cucumber seed is about 0.38 centimeters long.

   Which seed is shorter? _____

   How much shorter? _____

8. The Harrisons' dining room table with the table extension is 2.55 meters long. Without the extension the table is 2.25 meters long.

   How long is the extension? _____

9. The perimeter of an equilateral triangle is 45 inches. A rectangle whose width is $\frac{1}{3}$ its length has a perimeter of 48 inches. Which figure has the *longest* side? Explain.

_____

_____

_____

_____

_____

_____

_____

_____

Copyright © Houghton Mifflin Company. All rights reserved.

3–22

Name _____ Date _____

Homework

1. **Connections** Lorenzo is a realtor and wants to become a member of the Million Dollar Club. To do this he must have at least $1 million in sales. So far, he has sold three homes for $256,900, $373,100, and $284,400. How can you quickly tell if he these sales will allow him to be a member? If they can't, how much more does he need in sales?

2. **Representation** Susan owns a card shop. She kept a record of the number of cards sold each month for one year. Then, she used a line graph to graph the data she collected. Explain what the line graph showed and how she might use the data.

3. **Communication** Hanna bought 4 pencils for 9¢ each, two notebooks for $1.58 each, and one pack of paper for $3.17 each. She paid with $10 and received $3.58 in change. Is the change correct? If not, identify the correct amount of change and why the error was made.

4. **Reasoning and Proof** Can you draw a square that has an area and a perimeter that are not the same, such as, an area of 16 m^2 and a perimeter of 20 m? Explain your answer.

Name _____ Date _____

Remembering

Use the number 149,578.324 for exercises 1–6.

1. Increase the number by 5 more hundredths.

   _____

2. Decrease the number by 1 hundred thousand.

   _____

3. Decrease the number by 4 tens.

   _____

4. Increase the number by one hundred thirteen thousandths.

   _____

Solve.

5. Last week, Jillian drove 113.4 miles and 49.67 miles. So far this week, she has driven 152.89 miles. How many more miles will she have to drive this week to equal the miles driven last week?

   _____

Write a situation equation and a solution equation. Then solve.

6. The charity held a banquet as a fundraiser. After paying $1,796 in expenses from the money collected, the charity has $4,853 left. How much did the charity collect in all at the party?

   _____ _____ _____

   Situation Equation Solution Equation Answer

7. Skyler bought 214 more baseball cards at a flea market. He now has 567 baseball cards in his collection. How many baseball cards did he have before the purchase?

   _____ _____ _____

   Situation Equation Solution Equation Answer