4th Grade Math Packet

Name: _____

Name _____ Date _____

Place Value Through Hundred Thousands

hundred thousands	ten thousands	thousands	hundreds	tens	ones
3	0	4	9	5	2

Different Ways to Write a Number		
You can use expanded form.	You can use standard form.	You can use word form.
300,000 + 4,000 + 900 + 50 + 2	304,952	three hundred four thousand, nine hundred fifty-two

Write each number in standard form.

1. 600,000 + 50,000 + 200 + 40 + 9

_____

2. 80,000 + 700 + 40

_____

3. four hundred thousand, five hundred four

_____

4. two hundred three thousand, seventy-one

_____

Write the place of the underlined digit. Then write its value.

5. 317,<u>9</u>24

_____

6. 147,8<u>2</u>6

_____

Problem Solving

7. The Bering Sea has an area of 873,000 square miles. What is the value of the digit 3?

_____

Use with text pages 20–22.

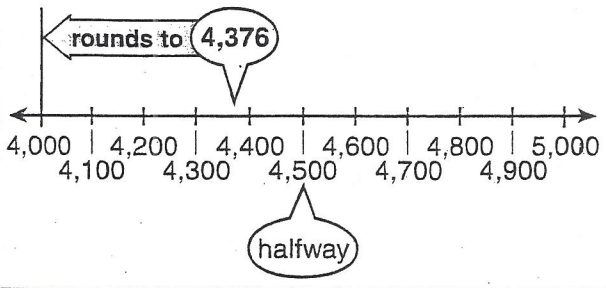
Name _____ Date _____

Homework 2.4

Round Four-Digit Numbers

Round to the place of the underlined digit.

4,376



The number 4,376 is closer to 4,000 than to 5,000.

So 4,376 rounded to the nearest thousand is **4,000.**

1. 2,634	2. 4,258	3. 1,597	4. 381	5. 4,965
_____	_____	_____	_____	_____
6. 7,821	7. 2,358	8. 9,191	9. 6,435	10. 891
_____	_____	_____	_____	_____
11. 1,974	12. 4,981	13. 5,223	14. 7,581	15. 8,852
_____	_____	_____	_____	_____

Problem Solving

16. A train traveled 2,317 miles. Rounded to the nearest thousand, how many miles did the train travel?

_____

17. The distance between Atlanta and San Francisco is 2,496 miles. Rounded to the nearest hundred, how many miles is it between the two cities?

_____

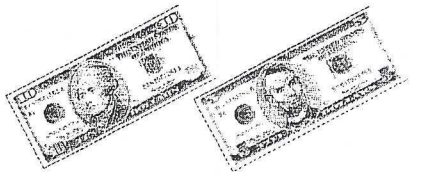
Use with text pages 36–37.

Name _____ Date _____

Homework 3.2

Count Coins and Bills

Write each amount using a dollar sign and a decimal point.

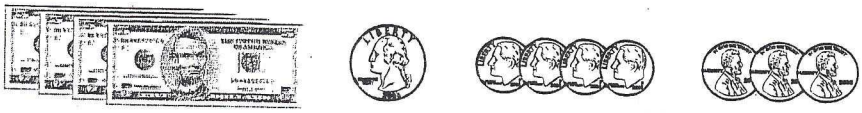




$10.00 ⇨ $15.00 ⇨ $15.50 ⇨ $15.75 ⇨ $16.00 ⇨ $16.10

1. 

2. 

3. 

4. 

Problem Solving

5. Harry has 1 half-dollar, 2 dimes, and 3 nickels. Susan has 3 quarters, 2 dimes, and 2 pennies. Who has less money?

_____

6. Mara gets 1 ten-dollar bill and 1 nickel for each pie that she sells. How much money does she get for 2 pies?

_____

Use with text pages 48–49.

Name _____ Date _____

Homework 4.6

Column Addition

The auditorium has 214 seats on the first level, 59 seats on the second level, and 76 seats on the third level. How many seats does the auditorium have?

Find 214 + 59 + 76 = ■.

$$\begin{array}{r} {\scriptstyle 1\,1} \\ 214 \\ 59 \\ +\ 76 \\ \hline 349 \end{array}$$

Solution: The auditorium has 349 seats.

Find each sum.

1. 125 64 + 37	**2.** 82 29 +53	**3.** $2.17 1.38 + 3.72	**4.** 316 57 + 34	**5.** 35 97 +503
6. 498 67 +213	**7.** 79 344 +476	**8.** 194 604 + 96	**9.** 203 57 +578	**10.** $1.80 4.06 + 1.94
11. 589 207 + 46	**12.** 415 501 + 34	**13.** 129 899 +542	**14.** $4.15 7.99 + 8.50	**15.** $1.89 0.49 + 7.05

Problem Solving

16. The auditorium has 174 seats on the right side, 168 seats on the left side, and 35 seats in the center. How many seats does the auditorium have in all?

_____

Use with text pages 94–96.

Name _____ Date _____

Homework 5.5

Regroup Tens and Hundreds

Subtract. Check by adding.

438 − 289

$\overset{3\ 12\ 18}{\cancel{4}\cancel{3}\cancel{8}}$ *Check:* 289

-289 $+149$

149 438

438 − 289 = 149

1. $734 - 488$

2. $854 - 285$

3. $932 - 345$

4. $746 - 459$

5. $856 - 687$

6. $345 - 268$

7. $\$9.62 - \$5.74$

8. $636 - 258$

9. $857 - 489$

10. $753 - 265$

11. $\$7.46 - \$5.64$ _____

12. $416 - 148$ _____

13. $726 - 549$ _____

14. $343 - 188$ _____

15. $905 - 178$ _____

16. $\$8.73 - \$6.74$ _____

17. $415 - 347$ _____

18. $798 - 209$ _____

Problem Solving

19. Heather is putting a 525-piece puzzle together. So far, she has 359 pieces in place. How many more pieces does she need to place?

_____

Use with text pages 120–122.

Name: _____ Score: _____ out of 43

Time: _____ minutes

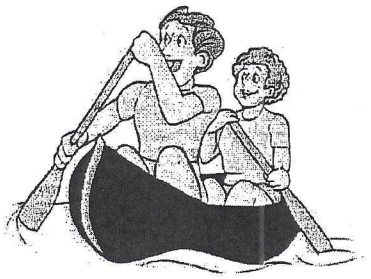
Multiplication: 0 - 11

a.	3 x 3	9 x 7	11 x 6	8 x 12	9 x 6	8 x 8	4 x 9
b.	7 x 6	8 x 7	9 x 9	11 x 10	10 x 2	2 x 8	6 x 12
c.	9 x 12	11 x 11	8 x 9	3 x 7	6 x 3	4 x 2	7 x 4
d.	3 x 9	4 x 4	2 x 0	3 x 5	4 x 12	2 x 9	6 x 9
e.	11 x 9	10 x 10			7 x 5	0 x 1	5 x 5
f.	6 x 6	11 x 2			8 x 4	3 x 12	9 x 8
g.	0 x 9	10 x 9			6 x 8	3 x 0	1 x 11

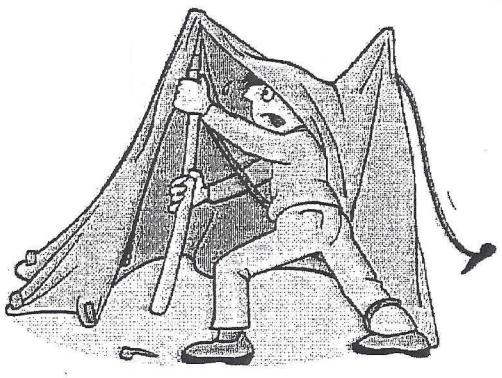
Name: _____ Score: _____ out of 42

Time: _____ minutes

Multiplication: 0 - 12

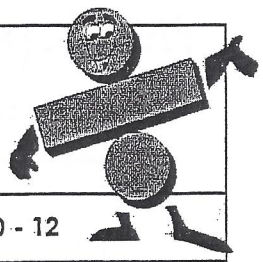


a.	5 x 6	7 x 11	8 x 4	2 x 3	6 x 6		
b.	10 x 2	4 x 4	3 x 8	5 x 7	12 x 4	11 x 12	9 x 4
c.	4 x 7	6 x 3	7 x 6	3 x 9	5 x 8	3 x 3	10 x 7
d.	6 x 4	7 x 7	10 x 4	12 x 12	12 x 8	7 x 9	9 x 9
e.	6 x 9	8 x 9	11 x 11	3 x 3	12 x 3	8 x 2	2 x 5
f.	0 x 1				2 x 2	9 x 12	4 x 11
g.	8 x 7				6 x 8	3 x 7	1 x 12



Name: _____

Date: _____



Level: K **Skill: 0 - 12**

1. 36 ÷ 9 = _____	**26.** 120÷12 = _____
2. 63 ÷ 9 = _____	**27.** 14 ÷ 2 = _____
3. 108 ÷ 9 = _____	**28.** 9 ÷ 3 = _____
4. 144÷12 = _____	**29.** 42 ÷ 7 = _____
5. 0 ÷ 3 = _____	**30.** 60 ÷ 5 = _____
6. 72 ÷ 8 = _____	**31.** 121÷11= _____
7. 100÷10 = _____	**32.** 40 ÷ 5 = _____
8. 18 ÷ 3 = _____	**33.** 0 ÷ 1 = _____
9. 21 ÷ 7 = _____	**34.** 27 ÷ 3 = _____
10. 70÷10 = _____	**35.** 25 ÷ 5 = _____
11. 36÷12 = _____	**36.** 22 ÷ 2 = _____
12. 96 ÷ 8 = _____	**37.** 132÷11= _____
13. 0 ÷ 11 = _____	**38.** 40÷10 = _____
14. 16 ÷ 4 = _____	**39.** 18 ÷ 3 = _____
15. 27 ÷ 9 = _____	**40.** 54 ÷ 9 = _____
16. 30 ÷ 3 = _____	**41.** 40 ÷ 5 = _____
17. 48÷12 = _____	**42.** 36 ÷ 6 = _____
18. 77÷11 = _____	**43.** 110÷11= _____
19. 21 ÷ 3 = _____	**44.** 28 ÷ 7 = _____
20. 72÷12 = _____	**45.** 50 ÷ 5 = _____
21. 35 ÷ 7 = _____	**46.** 27 ÷ 9 = _____
22. 24 ÷ 6 = _____	**47.** 0 ÷ 1 = _____
23. 0 ÷ 10 = _____	**48.** 10 ÷ 1 = _____
24. 48 ÷ 8 = _____	**49.** 12÷12 = _____
25. 35 ÷ 7 = _____	**50.** 96÷12 = _____

Time: _____ Score: _____

Name _____ Date _____

Homework 9.8

Multiply Three Numbers

Find each product. Multiply factors in parentheses first.

(4 × 2) × 5 =

_____

Find 4 × 2. Then multiply the product by 5.

4 × 2 = 8
8 × 5 = 40

(4 × 2) × 5 = 9

1. 7 × (3 × 2) = _____
2. (7 × 0) × 9 = _____
3. (1 × 7) × 8 = _____
4. 4 × (2 × 3) = _____
5. (3 × 3) × 4 = _____
6. 8 × (0 × 3) = _____
7. (2 × 7) × 1 = _____
8. 7 × (2 × 2) = _____

Use the Associative Property to help you. Find each missing factor.

9. (▢ × 2) × 5 = 50
10. 1 × (▢ × 3) = 18
11. (8 × 4) × ▢ = 0
12. (3 × 3) × ▢ = 54
13. ▢ × (3 × 2) = 36
14. (2 × ▢) × 7 = 28
15. (7 × 3) × ▢ = 42
16. 5 × (3 × ▢) = 15
17. ▢ × (6 × 2) = 36

Problem Solving

18. Anna, Ben, and Inez each used 2 packs of poster paper. Each pack has 4 sheets of paper. How many sheets of paper did they use?

_____

_____

Name _____ Date _____

HOMEWORK 21.5

Multiply 3-Digit Numbers by 1-Digit Numbers.

Find each product.

4 × 116

Step 1: Multiply the ones.	**Step 2:** Multiply the tens.	**Step 3:** Multiply the hundreds.
$4 \times 6 = 24$	$4 \times 1 + 2 = 6$	$4 \times 1 = 4$
$\begin{array}{r} {\scriptstyle 2}\,116 \\ \times\ \ 4 \\ \hline 4 \end{array}$	$\begin{array}{r} {\scriptstyle 2}\,116 \\ \times\ \ 4 \\ \hline 64 \end{array}$	$\begin{array}{r} {\scriptstyle 2}\,116 \\ \times\ \ 4 \\ \hline 464 \end{array}$

1. $\begin{array}{r} 311 \\ \times\ \ 3 \\ \hline \end{array}$

2. $\begin{array}{r} 162 \\ \times\ \ 4 \\ \hline \end{array}$

3. $\begin{array}{r} 308 \\ \times\ \ 2 \\ \hline \end{array}$

4. $\begin{array}{r} 225 \\ \times\ \ 2 \\ \hline \end{array}$

5. $\begin{array}{r} 318 \\ \times\ \ 3 \\ \hline \end{array}$

6. $\begin{array}{r} 116 \\ \times\ \ 5 \\ \hline \end{array}$

7. $\begin{array}{r} 300 \\ \times\ \ 3 \\ \hline \end{array}$

8. $\begin{array}{r} 164 \\ \times\ \ 4 \\ \hline \end{array}$

9. $\begin{array}{r} 146 \\ \times\ \ 3 \\ \hline \end{array}$

10. $\begin{array}{r} 121 \\ \times\ \ 6 \\ \hline \end{array}$

11. 3×112 _____

12. 7×142 _____

13. 3×242 _____

14. 8×121 _____

Algebra • Symbols Compare. Write >, <, or = for each ○.

15. 7×165 ○ 2×500

16. 4×260 ○ 5×260

Problem Solving

Show your work.

17. The Science Club presented astronomy shows on Friday, Saturday, and Sunday. There were 150 people at each show. How many people saw the astronomy show?

_____

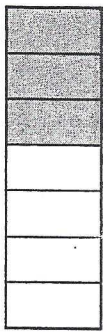
Use with text pages 592–593.

Name _____ Date _____

Practice 19.1

Represent Fractions

Write a fraction for the shaded part. Then write a fraction for the part that is not shaded.

1. 

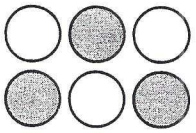
_____

2. 

_____

3. 

_____

4. 

_____

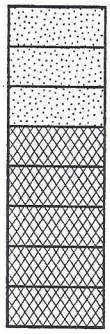
On a separate piece of paper, draw a picture to show each fraction.

5. $\frac{4}{6}$ **6.** $\frac{2}{5}$ **7.** $\frac{7}{8}$ **8.** $\frac{6}{7}$ **9.** $\frac{2}{9}$ **10.** $\frac{3}{10}$

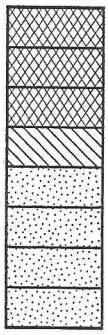
11. $\frac{3}{5}$ **12.** $\frac{1}{6}$ **13.** $\frac{3}{9}$ **14.** $\frac{4}{5}$ **15.** $\frac{9}{10}$ **16.** $\frac{3}{12}$

Match the picture to the description. Write A or B.

A

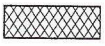
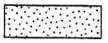


B



17. $\frac{3}{8}$ is 

_____

18. $\frac{8}{8}$ is either  or 

_____

19. $\frac{1}{8}$ is 

_____

20. $\frac{3}{8}$ is not 

_____

Test Prep

21. Jessica goes to school for 5 days out of each week. What fraction of each week (7 days) does she NOT go to school?

A $\frac{5}{7}$ **C** $\frac{1}{7}$

B $\frac{2}{7}$ **D** $\frac{7}{7}$

22. There are 3 blue marbles, 7 green marbles, and 5 swirled marbles in a circle. What fraction of the marbles are blue?

_____

Use with text pages 490–491.

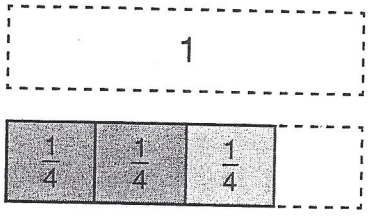
Name _____ Date _____

Practice 20.1

Add and Subtract Fractions With Like Denominators

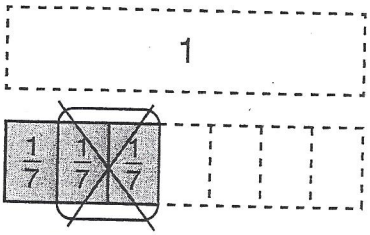
Add or subtract. Write your answer in simplest form.

1.



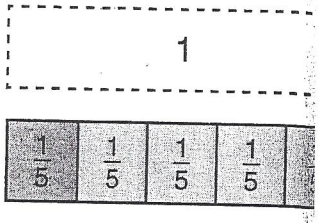
$\frac{2}{4} + \frac{1}{4} = \square$

2.



$\frac{3}{7} - \frac{2}{7} = \square$

3.



$\frac{1}{5} + \frac{4}{5} = \square$

4. $\frac{1}{8} + \frac{1}{8}$ = _____

5. $\frac{2}{5} + \frac{2}{5}$ = _____

6. $\frac{4}{10} + \frac{3}{10}$ = _____

7. $\frac{2}{9} + \frac{7}{9}$ = _____

8. $\frac{5}{7} + \frac{1}{7}$ = _____

9. $\frac{3}{6} + \frac{2}{6}$ = _____

10. $\frac{8}{10} - \frac{5}{10}$ = _____

11. $\frac{2}{9} + \frac{3}{9}$ = _____

12. $\frac{4}{5} - \frac{1}{5}$ = _____

Algebra Variables • Find the value of *n*.

13. $\frac{7}{8} - \frac{n}{8} = \frac{2}{8}$ _____

14. $\frac{n}{12} + \frac{5}{12} = \frac{9}{12}$ _____

15. $\frac{9}{9} - \frac{n}{9} = \frac{4}{9}$ _____

Test Prep

16. Which fraction shows the sum of $\frac{3}{9}$ and $\frac{2}{9}$?

A $\frac{5}{9}$

B $\frac{2}{9}$

C $\frac{1}{9}$

D $\frac{9}{9}$

17. Mary separates an orange into 8 eq sections. She eats 3 sections and gi another 3 sections to her friend. Wh fraction shows how many sections a left over?

_____

Use with text pages 516–