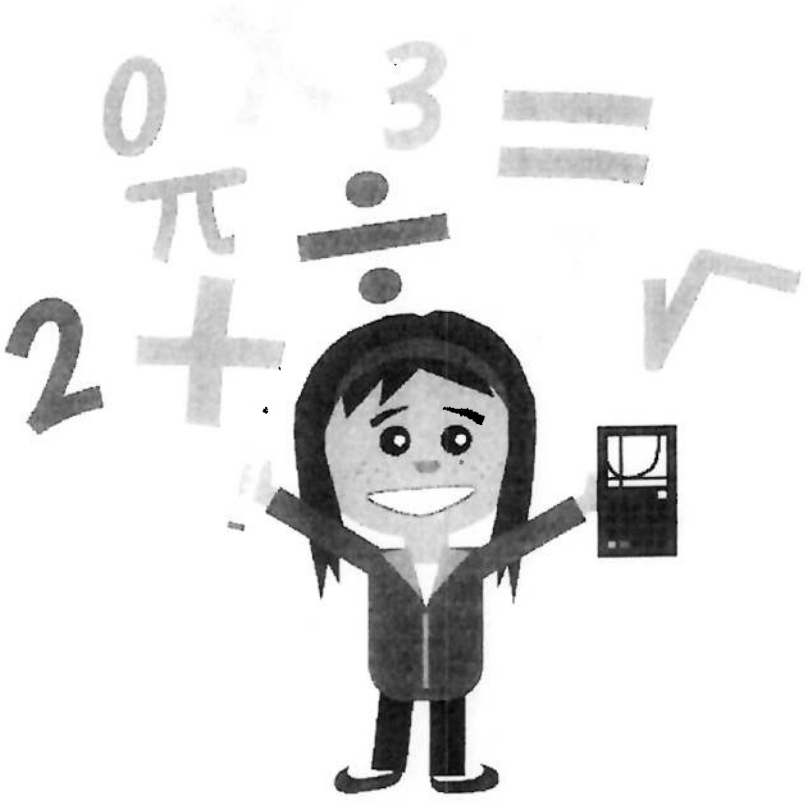
Dear Parents,

Attached is the math packet your child is to complete over the summer. It is a review of the various topics that have been taught this year in fourth grade. Please have your child return it to their homeroom teacher during the first week of school in the fall. This assignment will be their first math grade of the year. If you have any questions, please feel free to contact us! Have a great summer!

Thanks,
Mrs. Lukacs & Mrs. Tartamella



BLACKLINES

PRACTICE BOOK

BRIDGES IN MATHEMATICS 4

Martha Ruttle

The MATH LEARNING CENTER

B4PB-B

NAME _____ DATE _____

Multi-Digit Addition Review

1 Solve the problems below. Show all your work.

120 + 207	459 + 320	533 + 429	332 + 845
457 + 372	538 + 975	347 576 + 423	1,438 2,754 + 3,626

2 Rewrite these problems in vertical form. Then solve them. Show all your work.

example 583 + 645	**a** 276 + 986	**b** 362 + 1,534
1 583 + 645 1,228		

CHALLENGE

3 Use two numbers from the box to complete each addition problem below. You will use some numbers more than once.

97	204	297	405	498	607

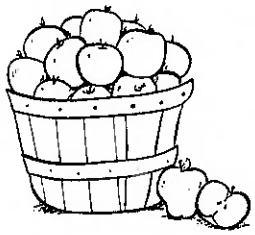
+ ☐ 3 0 1	+ ☐ 3 9 4	+ ☐ 1, 0 1 2	+ ☐ 1, 1 0 5	+ ☐ 7 0 2

NAME _____ DATE _____

Addition Story Problems

Solve the problems below. Show all your work.

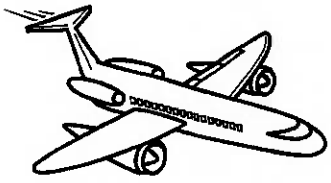
1 Last week, Jose picked 325 pounds of apples. Gloria picked 236 pounds of apples. How many pounds of apples did Jose and Gloria pick altogether? Show all your work.



2 The year Marcus was born, there were 2,308 people living in the town where his parents lived. Now Marcus is nine years old, and the town has 856 more people than it did when he was born. How many people live in the town where Marcus lives? Show all your work.

CHALLENGE

3 Fran is flying in an airplane. Right now it is 13,500 feet above the ground. It will go 16,800 more feet before it stops going any higher. How high will the airplane be then? Show all your work.



NAME _____ **DATE** _____

Multi-Digit Subtraction Review

1 Solve the problems below. Show all your work.

649 − 514	2,964 − 723	482 − 391	3,851 − 1,470
4,582 − 950	6,739 − 547	385 − 197	7,846 − 4,928

2 Rewrite these problems in vertical form. Solve them and then add the numbers to check your answer. Show all your work.

example 906 − 458

$$\begin{array}{r} {}^{8}\cancel{9}{}^{1}0\cancel{6} \\ -\ 458 \\ \hline 448 \end{array} \qquad \begin{array}{r} {}^{1\ 1} \\ 458 \\ +\ 448 \\ \hline 906 \end{array}$$

a 607 − 569

b 8,046 − 753

CHALLENGE

3 Complete these problems. There is more than one correct solution to the first two problems.

a

$$\begin{array}{r} \square\,0\,1 \\ -\ \square\,\square \\ \hline \square\,6\,7 \end{array}$$

b

$$\begin{array}{r} \square\,7\,\square \\ -\ \square\,\square\,2 \\ \hline 3\,\square\,\square \end{array}$$

c

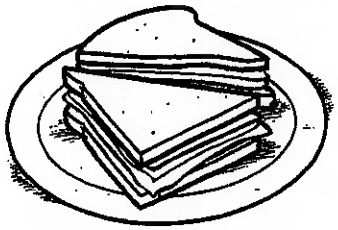
$$\begin{array}{r} 8\,6\,\square \\ -\ \square\,4\,1 \\ \hline 5\,1\,\square \end{array}$$

NAME _____ DATE _____

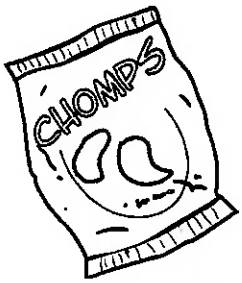
Subtraction Story Problems

Solve the problems below. Show all your work.

1 Last week the cafeteria served 486 breakfast sandwiches. This week they served 538 breakfast sandwiches. How many more breakfast sandwiches did they serve this week?

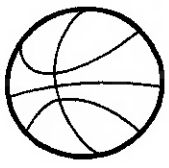


2 There were 6,742 bags of potato chips stored in the cafeteria. They served 781 of them at lunch. How many bags of potato chips are left?



CHALLENGE

3 At the basketball game last night, the home team was losing by 48 points at half time, so fans started to leave. If there were 18,862 people at the game when it started and 6,946 went home at half time, how many people were still at the game for the second half?



NAME _____ DATE _____

Add, Subtract & Multiply

1 Solve the addition and subtraction problems below Show all your work.

\$1.74 + \$2.25	\$20.71 + \$6.55	\$43.53 + \$7.18	\$8.14 + \$7.03
\$5.32 - \$2.81	\$3.42 - \$1.84	\$54.66 - \$6.93	\$3.04 - \$1.26

2 Rewrite these problems in vertical form. Then solve them. Show all your work.

example \$2.96 + \$8.45	**a** \$4.72 + \$2.39	**b** \$506.00 – \$3.57
1 1 \$2.96 + \$8.45 \$11.41		

3 Complete these multiplication problems.

3 × 8	5 × 4	9 × 3	2 × 7	0 × 3	1 × 6
6 × 4	7 × 4	4 × 8	0 × 9	7 × 7	2 × 10

NAME _____ DATE _____

Shopping Problems

Solve the problems below. Show all your work.

1 George, Nico, and Brandon went to the store. George spent $1.86 on fruit. Nico spent $2.03 on a drink. Brandon spent $1.45 on candy. How much did they spend altogether?

2 Emma had $5.80 in her pocket when she went to the store. If she spent $3.97, how much money did she have left?

CHALLENGE

3 Susie has three brothers who are triplets. For their birthday, she bought each brother a rubber ball that cost 71¢ and a T-shirt that cost $12.99. How much did she spend altogether on their birthday presents?

NAME _____ DATE _____

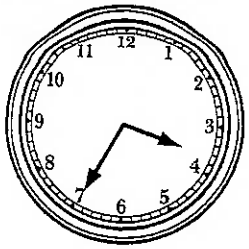
Addition, Subtraction & Clock Problems

1 Solve the problems below Show all your work.

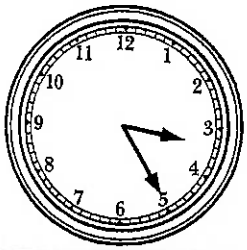
845 + 127	795 + 109	4,639 + 2,467	379 + 196
6,536 - 2,618	805 - 108	2,305 - 107	6,002 - 336

2 Use the clocks to solve the problems below.

a Anna leaves school at 3:10 to walk home. The clock below shows what time she gets home. How long does it take Anna to walk home?

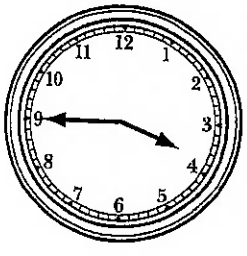


b Joseph leaves school at 3:05 to take the bus home. The clock below shows what time he gets home. How long is Joseph's bus ride?



CHALLENGE

c Maribel leaves school at 3:10 to walk home. One day, she stopped at the store on the way home and spent 20 minutes shopping. If she got home at the time shown on the clock, how much time did she spend walking?



NAME _____ DATE _____

Multiplication & Division Facts

1 Solve the problems below.

8 × 3 =	4 × 4 =	7 × 6 =	5 × 6 =	3 × 8 =	2 × 9 =	0 × 1 =
1 × 8 =	6 × 6 =	9 × 4 =	10 × 4 =	5 × 3 =	7 × 9 =	6 × 8 =

63 ÷ 7 = _____ 42 ÷ 7 = _____ 36 ÷ 4 = _____ 20 ÷ 5 = _____

16 ÷ 8 = _____ 18 ÷ 3 = _____ 6 ÷ 3 = _____ 14 ÷ 2 = _____

2 Fill in the missing numbers.

6 × 3 = ☐	4 × 5 = ☐	5 × 7 = ☐	8 × 4 = ☐	8 × 8 = ☐
3 × ☐ = 6	2 × ☐ = 10	☐ × 5 = 15	☐ × 8 = 40	9 × ☐ = 72

CHALLENGE

3 Use words and/or numbers to show how you could use the answer to 4 × 8 to solve 4 × 16.

NAME _____ DATE _____

Multiples & Multiplication Facts

1 When you count by a number, you are naming the multiples of that number. For example, if you skip count by 5's, you are naming the multiples of five: 5, 10, 15, 20, 25, and so on. In each sequence below, fill in the missing multiples.

ex 5, 10, 15, 20, 25, 30, 35	**a** 3, 6, _____, 12, 15, 18, _____, 24
b 6, _____, 18, _____, 30	**c** 9, 18, _____, 36, 45, _____, 63

2 Circle all the multiples of the number in each box.

ex	5	16	(20)	(15)	42	36	(45)	18	**a**	2	5	6	7	8	14	21	10
b	4	8	6	14	16	20	28	19	**c**	7	22	33	21	14	16	42	35
d	8	28	32	48	16	60	72	19	**e**	3	21	35	18	36	44	12	29

3 Fill in the missing numbers.

$$\begin{array}{r} 9 \\ \times\ 9 \\ \hline \square \end{array} \qquad \begin{array}{r} 3 \\ \times\ 9 \\ \hline \square \end{array} \qquad \begin{array}{r} 4 \\ \times\ 4 \\ \hline \square \end{array} \qquad \begin{array}{r} 2 \\ \times\ 6 \\ \hline \square \end{array} \qquad \begin{array}{r} 7 \\ \times\ 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3 \\ \times\ \square \\ \hline 24 \end{array} \qquad \begin{array}{r} 7 \\ \times\ \square \\ \hline 14 \end{array} \qquad \begin{array}{r} \square \\ \times\ 5 \\ \hline 30 \end{array} \qquad \begin{array}{r} \square \\ \times\ 4 \\ \hline 36 \end{array} \qquad \begin{array}{r} 3 \\ \times\ \square \\ \hline 12 \end{array}$$

CHALLENGE

$$\begin{array}{r} 6 \\ \times\ 2 \\ \hline \square \end{array} \qquad \begin{array}{r} 6 \\ \times\ 4 \\ \hline \square \end{array} \qquad \begin{array}{r} 6 \\ \times\ 8 \\ \hline \square \end{array} \qquad \begin{array}{r} 6 \\ \times\ 16 \\ \hline \square \end{array} \qquad \begin{array}{r} 6 \\ \times\ 32 \\ \hline \square \end{array}$$

NAME _____ DATE _____

Tasty Treats

1 Joseph works at an ice cream stand. He sold 5 milkshakes per hour on Saturday. If he worked for 8 hours, how many milkshakes did he sell on Saturday? Show all your work.

2 On the last day of school, Mr. Jackson brought in some cookies for the 6 students in his reading group. He had a box with 15 cookies in it and, to be fair, he gave each student the same number of cookies. How many cookies did each student get? Show all your work.

CHALLENGE

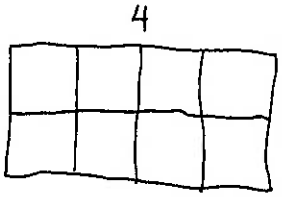
3 At her farm stand, Judy had 126 pounds of lettuce, 267 pounds of corn, and 155 pounds of tomatoes. She sold 83 pounds of lettuce, 182 pounds of corn, and 86 pounds of tomatoes. How many pounds of vegetables does she have left? Show all your work.

NAME _____ DATE _____

Arrays & Factors

1 Draw and label a rectangular array to show two factors for each number. Do not use 1 as one of your factors. Then write the fact family that goes with your array.

example 8



2 × 4 = 8
4 × 2 = 8
8 ÷ 4 = 2
8 ÷ 2 = 4

a 16

_____ × _____ = _____
_____ × _____ = _____
_____ ÷ _____ = _____
_____ ÷ _____ = _____

b 18

_____ × _____ = _____
_____ × _____ = _____
_____ ÷ _____ = _____
_____ ÷ _____ = _____

2 List all the factors of each number below.

ex 12	1, 2, 3, 4, 6, 12	**a** 16	
b 17		**c** 24	
d 9		**e** 36	

3a Circle the prime number(s) in problem 2.

b Draw a square around the square number(s) in problem 2.

CHALLENGE

4 Fill in the missing digits in the problems below.

example

$$\begin{array}{r} {}^{7}\not{8}\,\boxed{13}\,4 \\ -\,6\;9\;\boxed{3} \\ \hline \boxed{1}\;4\;1 \end{array}$$

a

$$\begin{array}{r} 3\;\square\;6 \\ +\,\square\;9\;\square \\ \hline 7\;0\;4 \end{array}$$

b

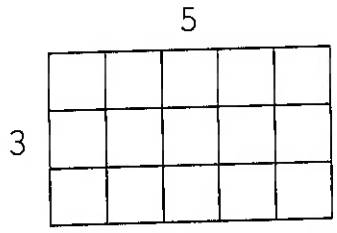
$$\begin{array}{r} 6\;2\;3 \\ -\,\square\;4\;\square \\ \hline 1\;\square\;7 \end{array}$$

NAME _____ DATE _____

Area & Perimeter

1 Find the area and perimeter of each rectangle. Area is the total amount of space covered by the rectangle. Perimeter is the distance around the rectangle.

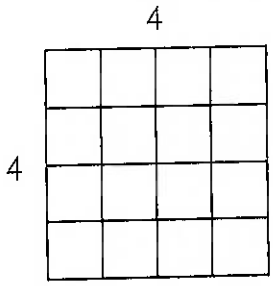
example



Perimeter 3 + 3 + 5 + 5 = 16 units

Area 3 x 5 = 15 square units

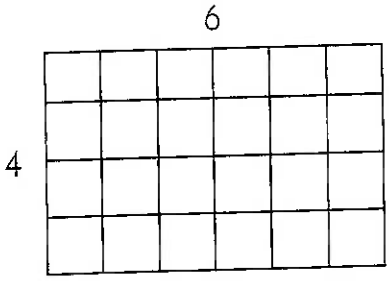
a



Perimeter _____

Area _____

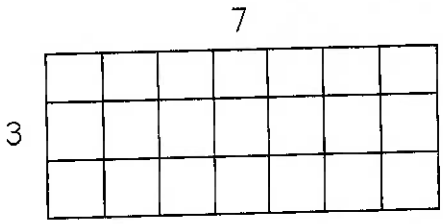
b



Perimeter _____

Area _____

c

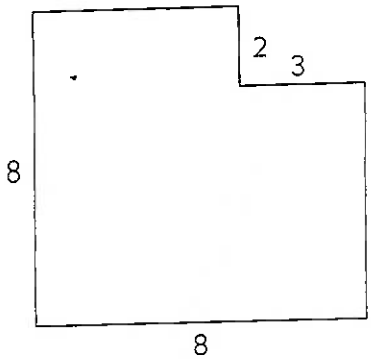


Perimeter _____

Area _____

CHALLENGE

2 Find the area and perimeter of this shape. Show all your work.



Perimeter _____

Area _____

NAME _____ DATE _____

Area & Perimeter Story Problems

You can make sketches to help solve the problems below. Remember to include the units of measurement in your answers. Show all of your work.

1a The classroom rug is 9 feet long and 8 feet wide. What is the total area of the rug?

b What is the perimeter of the rug?

2a Chrissy is going to make a big painting on a piece of wood that is 4 feet wide and 7 feet long. What is the total area of the piece of wood?

b What is the perimeter of the piece of wood?

3 The school playground measures 465 feet by 285 feet. What is the perimeter of the playground?

NAME _____ DATE _____

Place Value & Perimeter

1 Write each number below in standard form.

example twenty-three thousand, five hundred six 23,506

a nine thousand, two hundred forty-eight _____

b seventeen thousand, six hundred thirty-three _____

c thirty-two thousand, fifty-eight _____

2 Identify the place value and value of the underlined digit in each number.

Number	Place Value	Value
ex 3<u>6</u>,874	thousands	six thousand
a 17,<u>6</u>04		
b 8,<u>0</u>97		
c <u>4</u>1,000		

3 Find the perimeter of each rectangle below. Show your work.

example Perimeter 1,726"

583"

280"

1	1	1
280"	583"	1,166"
+ 280"	+ 583"	+ 560"
560"	1,166"	1,726"

a Perimeter _____

126"

234"

b Perimeter _____

196"

285"

NAME _____ DATE _____

Multiplication & Division Practice

1 Solve the following multiplication and division problems.

7 × 3 = ____	8 × 2 = ____	4 × 9 = ____	5 × 5 = ____	2 × 4 = ____	9 × 6 = ____	3 × 4 = ____

32 ÷ 4 = ____	20 ÷ 5 = ____	16 ÷ 8 = ____	24 ÷ 3 = ____
24 ÷ 4 = ____	15 ÷ 3 = ____	40 ÷ 5 = ____	36 ÷ 6 = ____

2 Fill in the missing numbers.

9 × 7 = ☐	3 × 0 = ☐	7 × 7 = ☐	1 × 5 = ☐	5 × 8 = ☐
7 × ☐ = 42	5 × ☐ = 40	☐ × 8 = 64	☐ × 4 = 16	3 × ☐ = 18

3 Solve the following multiplication problems.

4 × 10 = ____	4 × 100 = ____	4 × 1,000 = ____	7 × 10 = ____	7 × 100 = ____	7 × 1,000 = ____
8 × 100 = ____	5 × 10 = ____	6 × 1,000 = ____	2 × 10 = ____	9 × 100 = ____	0 × 1,000 = ____

CHALLENGE

4 Fill in the missing numbers.

300 ÷ _____ = 3 8,000 ÷ _____ = 1,000 40 ÷ _____ = 4

NAME _____ DATE _____

Number Riddles

1 Draw a line to show which number matches each description. The first one is done for you.

example This number has a 2 in the thousands place.	46,305
a This is an even number with a 6 in the hundreds place.	32,617
b This number is equal to 30,000 + 4,000 + 80 + 2.	45,052
c This number is 1000 less than 46,052.	19,628
d This is an odd number with a 6 in the thousands place.	34,082

2 Write each number in words.

example 17,329	seventeen thousand, three hundred twenty-nine
a 33,072	
b 86,105	
c 74,629	

CHALLENGE

3 Write an even number that has a 7 in the hundreds place, has an odd number in the thousands place, and is a multiple of 10.

NAME _____ DATE _____

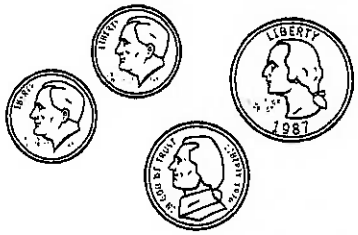
Counting Coins & Bills

1 Write each money amount in decimal form. You can draw loops around groups of coins that make it easier for you to find the total amount.

ex $0.37

a _____

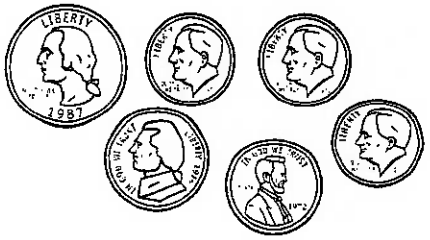
b _____



c _____

d _____

e _____



2 Write each money amount in decimal form.

example 1 dollar bill, 5 quarters, 3 pennies $2.28

a 3 dollar bills, 9 nickels, 2 pennies _____

b 6 quarters, 2 dimes, 4 pennies _____

c 3 quarters, 6 nickels, 7 pennies _____

d 4 dollar bills, 3 half dollars, 7 nickels _____

e 2 dollar bills, 7 quarters, 16 pennies _____

CHALLENGE

f 12 quarters, 80 nickels, 97 pennies _____

g 24 quarters, 140 nickels, 30 dimes, 45 pennies _____

NAME _____ DATE _____

Addition & Multiplication Puzzles

1 Complete the addition puzzle box below. The sums of the rows and the diagonals are in bold boxes.

example

			213
125	25	50	200
50	150	33	233
13	25	350	388
			625

a

			225
	13		179
80		30	160
75	13	50	
			166

2 Complete the multiplication puzzle box below. The products of the rows and the diagonals are in bold boxes.

example

			2,000
10	2	1	20
2	2	100	400
1,000	3	2	6,000
			40

a

			60
100		3	600
		1,000	8,000
	3	2	60
			400

3 Complete each equation below.

ex 2 × 1 × 1,000 = 2,000

a _____ × 4 × 100 = 800

b 3 × 3 × _____ = 90

c 1 × _____ × 1,000 = 8,000

d 3 × _____ × 10 = 60

e 2 × 2 × _____ = 400

NAME _____ **DATE** _____

Fractions of a Foot

1 Write two names for each fraction of a foot. You can draw on the rulers to help.

example

$\frac{3}{12}$ _____ $\frac{1}{4}$ _____

a

_____ _____

b

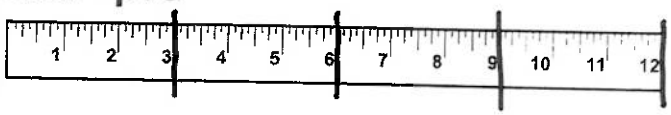
_____ _____

c

_____ _____

2 Shade the ruler to show each fraction of a foot. Then write another name for the fraction. You can draw lines to divide the rulers into equal parts.

example



$\frac{9}{12}$ _____ $\frac{3}{4}$ _____

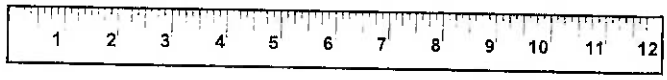
a

$\frac{8}{12}$ _____ _____

b

$\frac{10}{12}$ _____ _____

c



$\frac{12}{12}$ _____ _____

d

$\frac{2}{6}$ _____ _____

e

$\frac{2}{3}$ _____ _____

NAME _____ DATE _____

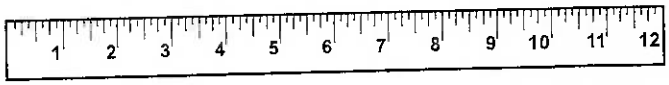
More Fractions of a Foot

1 Write the number of inches in each fraction of a foot. You can look at page 41 to help.

a $\frac{1}{2}$ of a foot is equal to _____ inches **b** $\frac{1}{4}$ of a foot is equal to _____ inches

c $\frac{1}{6}$ of a foot is equal to _____ inches **d** $\frac{1}{3}$ of a foot is equal to _____ inches

2 Write the number of inches in each fraction of a foot. Use the rulers below and the information in problem 1 to help. Then circle the greater fraction in each pair. If they are equal, circle them both.



example (circle $\frac{1}{2}$) $\frac{1}{4}$ 6 inches 3 inches	**a** $\frac{1}{3}$ $\frac{1}{4}$
b $\frac{2}{3}$ $\frac{1}{2}$	**c** $\frac{1}{2}$ $\frac{3}{6}$
d $\frac{2}{3}$ $\frac{3}{4}$	**e** $\frac{1}{4}$ $\frac{2}{3}$

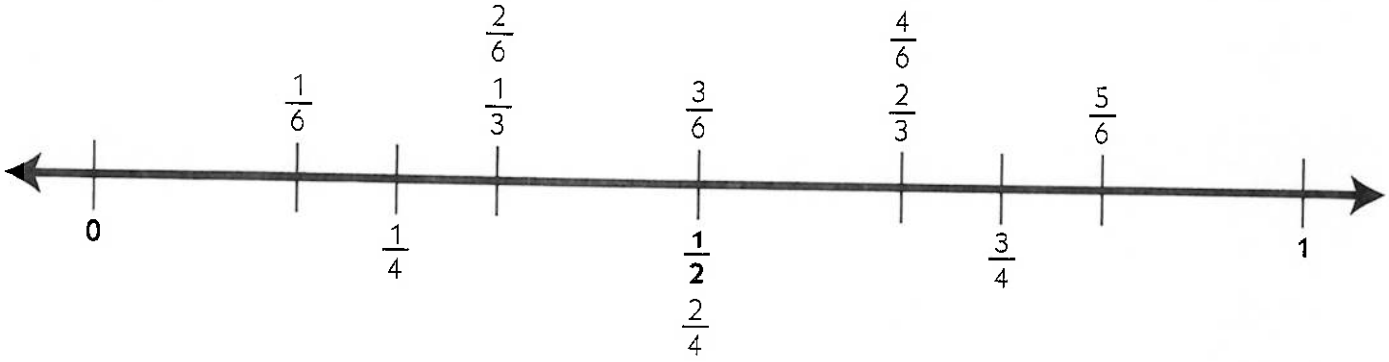
3 Write all the factors of each number. Hint: *Think about pairs of factors that multiply to make the number.*

ex 18	1, 2, 3, 6, 9, 18	**a** 12	
b 15		**c** 36	
d 60		**e** 120	

NAME _____ **DATE** _____

Comparing Fractions on a Number Line

When you are comparing fractions, it can help to think about how close those fractions are to landmarks like one whole and one-half. Use the number line to help complete the problems below.



1 Complete the table.

Circle the fraction that is greater than $\frac{1}{2}$.	Write a number sentence showing which fraction is greater.
example $\frac{4}{6}$ $\frac{1}{4}$	$\frac{4}{6} > \frac{1}{4}$
a $\frac{2}{6}$ $\frac{2}{3}$	
b $\frac{1}{3}$ $\frac{5}{6}$	

2 Complete the table.

Circle the fraction that is closest to 1.	Write a number sentence showing which fraction is greater.
a $\frac{3}{4}$ $\frac{2}{3}$	
b $\frac{5}{6}$ $\frac{2}{3}$	
c $\frac{3}{4}$ $\frac{5}{6}$	

NAME _____ DATE _____

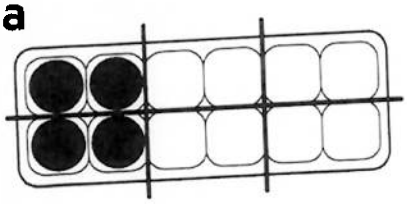
Egg Carton Fractions

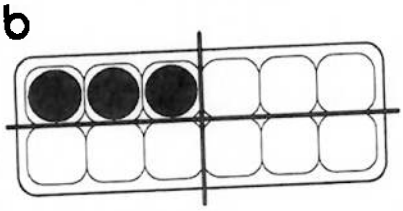
1 Solve the following multiplication and division problems. They might help you think about the egg cartons in problem 2.

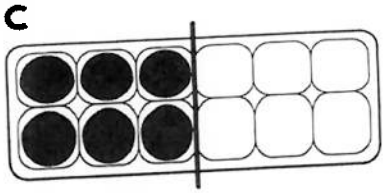
12 ÷ 2 = _____ 12 ÷ 3 = _____ 12 ÷ 4 = _____ 12 ÷ 6 = _____

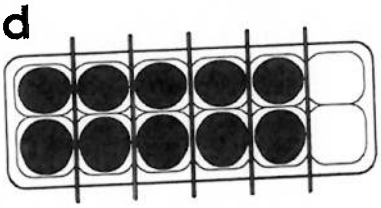
6 × 3 = _____ 4 × 2 = _____ 3 × 3 = _____ 2 × 5 = _____

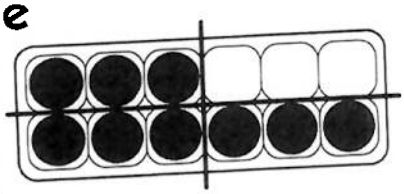
2 Write a fraction to show the amount of each egg carton that is filled with eggs. The cartons are divided into equal parts for you.

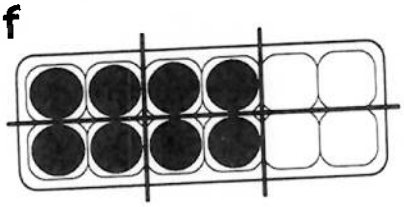
a  _____

b  _____

c  _____

d  _____

e  _____

f  _____

3 Write greater than (>) or less than (<) to show which fraction is greater. If they are equal, write an equal sign (=).

ex a $\frac{1}{4} < \frac{1}{2}$	**ex b** $\frac{1}{2} > \frac{1}{3}$	**a** $\frac{4}{6}$ $\frac{2}{3}$
b $\frac{1}{3}$ $\frac{1}{4}$	**c** $\frac{3}{4}$ $\frac{5}{6}$	**d** $\frac{1}{3}$ $\frac{3}{4}$
e $\frac{1}{2}$ $\frac{2}{4}$	**f** $\frac{2}{3}$ $\frac{3}{4}$	**g** $\frac{2}{6}$ $\frac{1}{3}$

NAME _____ **DATE** _____

More Multiplication Tables

1 Fill in the missing numbers.

8 × 4 = ☐	6 × 5 = ☐	7 × 7 = ☐	6 × 8 = ☐	6 × 6 = ☐
8 × ☐ = 56	9 × ☐ = 63	☐ × 5 = 25	☐ × 6 = 42	8 × ☐ = 72

2 Complete the multiplication tables below.

ex

×	5	2	9	3	8	6	7	4
2	10	4	18	6	16	12	14	8

a

×	5	2	9	3	8	6	7	4
10								

b

×	5	2	9	3	8	6	7	4
5								

c

×	5	2	9	3	8	6	7	4
9								

CHALLENGE

3 Use what you know about multiplying by 10 to help solve these problems.

12 × 10 = ☐	12 × 5 = ☐	12 × 9 = ☐	18 × 10 = ☐	18 × 5 = ☐	18 × 9 = ☐

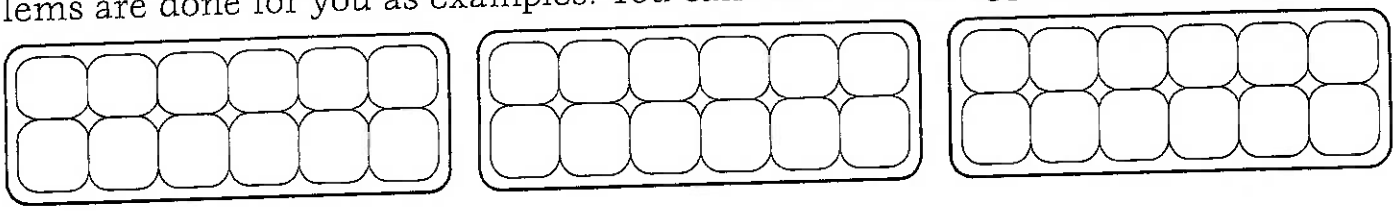
NAME _____ DATE _____

Writing Improper Fractions as Mixed Numbers

1 Complete the multiplication facts.

5 × 7	5 × 70	50 × 7	50 × 70
4 × 3	4 × 30	40 × 3	40 × 30
8 × 7	8 × 70	80 × 7	80 × 70

2 Write each fraction as a whole number or a mixed number. Some of the problems are done for you as examples. You can draw on the egg cartons to help.



$\frac{3}{3}$ = _____ $\frac{6}{3}$ = 2 $\frac{4}{3}$ = _____ $\frac{5}{3}$ = _____

$\frac{7}{3}$ = $2\frac{1}{3}$ $\frac{6}{6}$ = _____ $\frac{12}{12}$ = _____ $\frac{18}{12}$ = _____

$\frac{6}{6}$ = _____ $\frac{12}{6}$ = _____ $\frac{8}{6}$ = _____ $\frac{9}{6}$ = _____

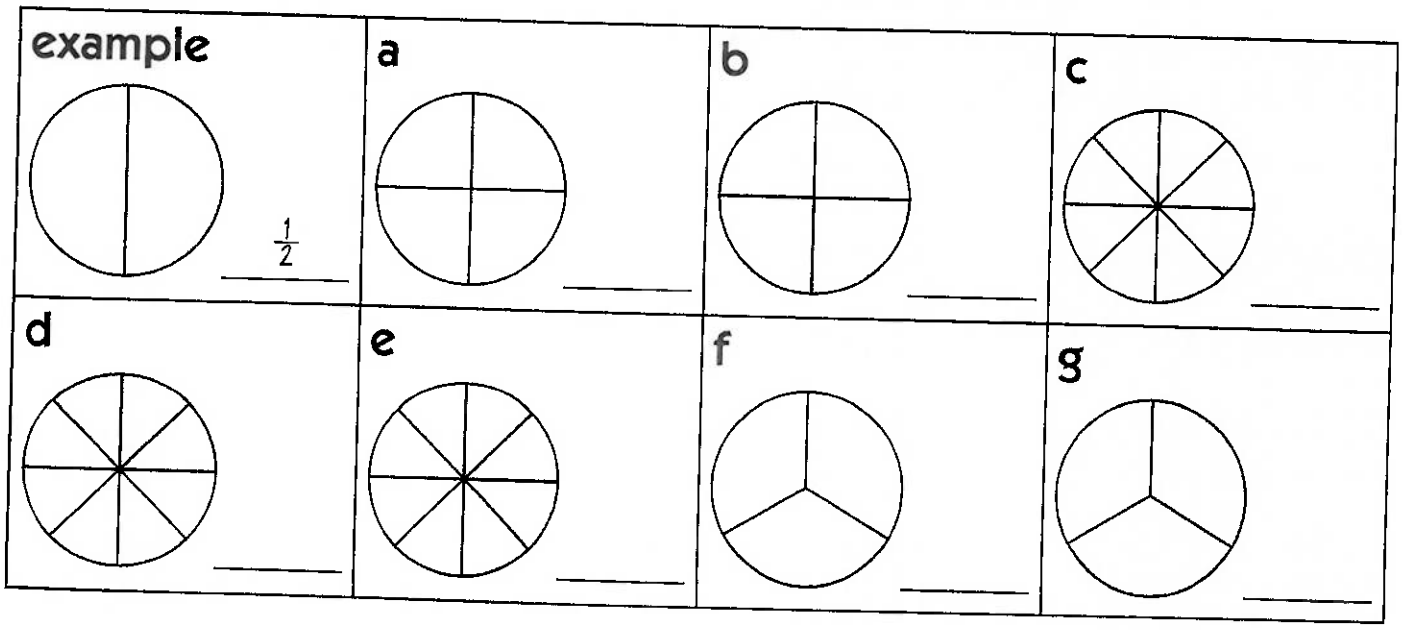
CHALLENGE

$\frac{5}{4}$ = _____ $\frac{8}{4}$ = _____ $\frac{15}{4}$ = _____ $\frac{36}{4}$ = _____

NAME _____ DATE _____

More Fractions & Division

1 Write a fraction to show how much of each circle is filled in.



2 Solve the following division problems. The answers can help you with problem 3.

24 ÷ 2 = _____	24 ÷ 4 = _____	24 ÷ 8 = _____	24 ÷ 3 = _____
240 ÷ 2 = _____	240 ÷ 4 = _____	240 ÷ 8 = _____	240 ÷ 3 = _____

3 You can use what you know about division to find different fractions of a number.

example Half of 24 is 12.

a One-third of 24 is _____.

b One-eighth of 24 is _____.

c One-fourth of 24 is _____.

d One-third of 240 is _____.

e Half of 240 is _____.

f One-eighth of 240 is _____.

g One-fourth of 240 is _____.

CHALLENGE

h Three-fourths of 24 is _____.

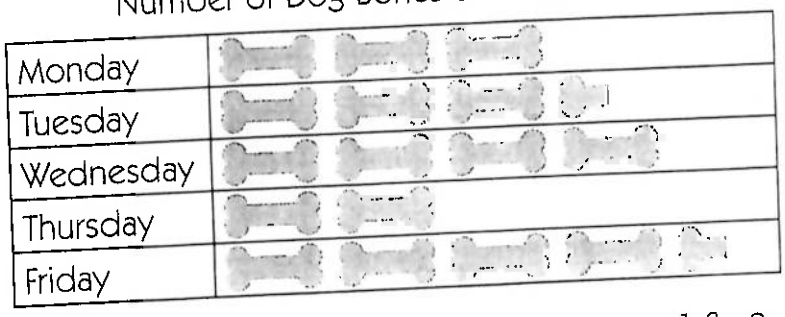
i Two-thirds of 240 is _____.

NAME _____ DATE _____

Dog Bone Graph

A pictograph uses pictures or symbols to show numbers of things. A pet store owner used a pictograph to keep track of how many dog bones she sold each day. Use the pictograph to answer the questions below.

Number of Dog Bones Sold Each Day



Key
– 10 Bones

1 How many bones does each bone picture stand for?

2 How many bones does each half-bone picture stand for?

3 On which day were the most bones sold?

4 How many bones were sold on Tuesday?

5 How many bones were sold altogether this week, from Monday to Friday? Show all your work.

CHALLENGE

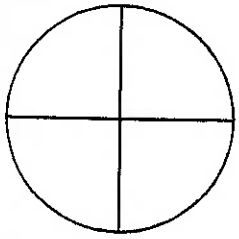
6 The pet store owner sold half as many dog bones last week as she did this week. How many bones were sold last week? (The pictograph shows the bones sold this week.) Show your work.

NAME _____ DATE _____

Fractions & Mixed Numbers

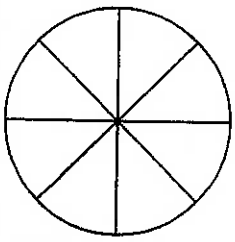
1 The circles below are divided into equal parts. Write two fractions to show what part of each circle is filled in.

example

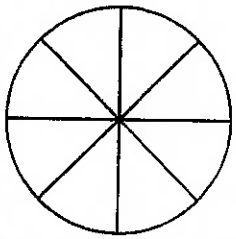


$\frac{1}{2}$ $\frac{2}{4}$

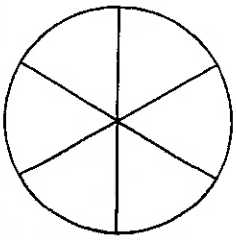
a



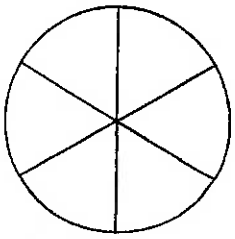
b



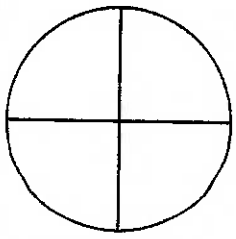
c



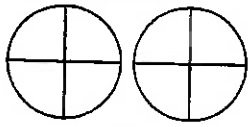
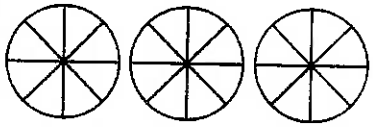
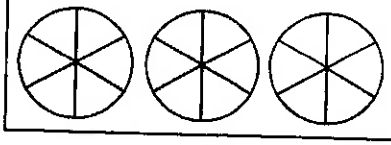
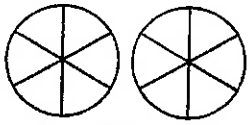
d



e



2 The circles below are divided into equal parts. Write a fraction and a mixed number to show how many circles are filled in.

	Fraction	Mixed Number		Fraction	Mixed Number
example 	$\frac{3}{2}$	$1\frac{1}{2}$	**a** 		
b 			**c** 		

3 Fill in the missing fractions or mixed numbers.

CHALLENGE

Fractions	**ex** $\frac{5}{2}$	**a** $\frac{9}{2}$	**b** $\frac{9}{4}$	**c** $\frac{14}{4}$	**d**	**e**	**f** $\frac{62}{3}$	**g**
Mixed Number	$2\frac{1}{2}$				$3\frac{1}{2}$	$2\frac{3}{4}$		$30\frac{1}{3}$

NAME _____ DATE _____

Decimals & Fractions

1 Write the place value of the underlined digit in each number. The place values are spelled for you here:

hundreds	tens	ones	tenths	hundredths

example 2.0<u>3</u> hundredths

a 3.<u>1</u>7 _____

b 12<u>0</u>.4 _____

c <u>5</u>06.92 _____

d 54.2<u>9</u> _____

e 32.<u>7</u> _____

2 Write each decimal number.

ex a Twenty-three and two-tenths: 23.2

ex b One hundred thirty and five-hundredths: 130.05

a Six and seven-hundredths: _____

b Two-hundred sixty-five and eight-tenths: _____

3 Write each fraction or mixed number as a decimal number.

ex a $5\frac{3}{10}$ = 5.3	**ex b** $12\frac{4}{100}$ = 12.04	**ex c** $3\frac{17}{100}$ = 3.17
a $\frac{7}{10}$ =	**b** $3\frac{5}{100}$ =	**c** $\frac{4}{100}$ =
d $4\frac{38}{100}$ =	**e** $1\frac{9}{100}$ =	**f** $1\frac{9}{10}$ =

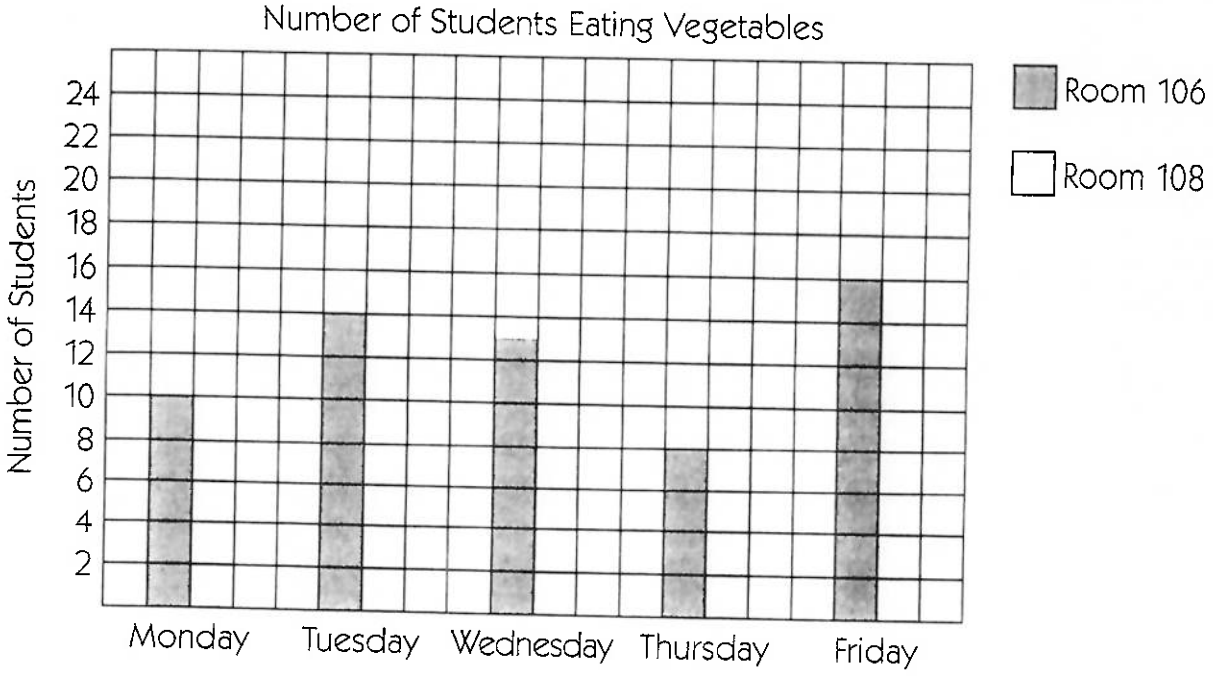
4 Use a greater than (>), less than (<), or equal sign to show the relationship between the decimal numbers below.

ex 1.09 < 1.9	**a** 1.12 1.2	**b** 3.5 3.48
c 23.81 23.85	**d** 4.50 4.5	**e** 3.06 3.65

NAME _____ **DATE** _____

The Vegetable Eating Contest

The students in rooms 106 and 108 decided to have a contest to see which classroom ate the most vegetables. Each day for a week they kept track of the number of students from each room who ate vegetables. This double bar graph shows their results. There are 24 students in each class.



1 How many students does each box on the graph represent?

2 How many students from room 108 ate vegetables on Thursday?

3 On which day or days did the same number of students from each room eat vegetables?

4 On which day or days did more students from room 108 eat vegetables?

5 Which class did a better job of eating vegetables? Use evidence from the graph to explain your answer.