Fairfield Public Schools

Math Packet

For

Students Entering Third Grade

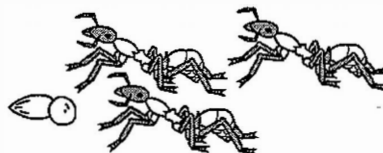Practice Book Use anytime after Bridges, Unit 2, Session 10.

NAME _____   DATE _____

Ant Story Problems

A story problem gives you some facts and asks a question. For each problem
- underline the facts.
- put a box around the question.
- solve the problem and show your work.
- write the answer on the line.

example There were 10 army ants. 3 went out to get some food. How many ants were left?

$$10 - 3 = 7$$

There were __7__ ants left.

1 6 ants are working hard. Some more come to help. Now there are 13 ants. How many ants came to help?

_____ ants came to help.

2 There are 7 ants at the top of the tunnel. There are 4 ants in the middle chamber. There are 5 ants in the lower chamber. How many ants in all?

There are _____ ants in all.

3 There are 6 ants. Each ant has 3 seeds. How many seeds in all?

There are _____ seeds in all.

NAME _____   DATE _____

T-Shirts & Turtles

1 Lin got a t-shirt for 7 dollars and a teddy bear for 4 dollars. He gave the clerk a 20-dollar bill. How much money did he get back? Show your work.

Lin got _____ dollars back.

CHALLENGE

2 Two 8-legged spiders landed on a 4-legged turtle. Then three 2-legged birds landed on the turtle. How many legs in all (counting the turtle)? Show your work.
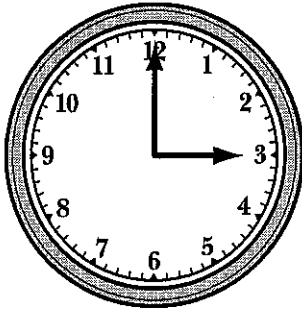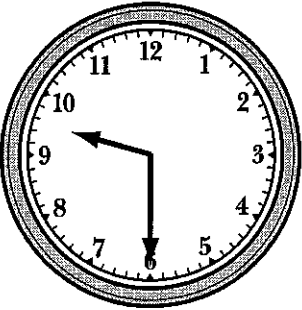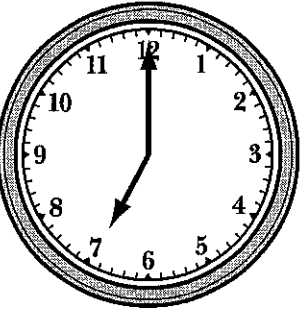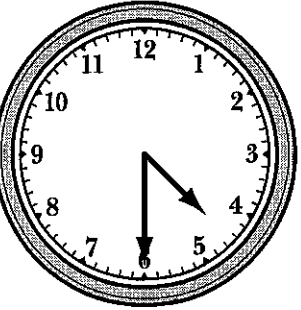
There were _____ legs in all.
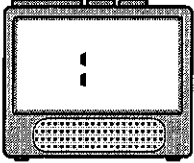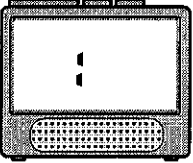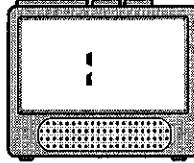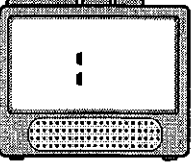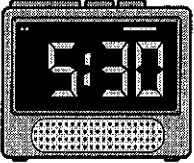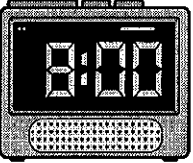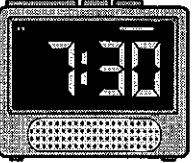
Telling Time on Two Kinds of Clocks

1 Read each of these clock faces and write the time on the digital clock.

a	b	c	d

2 Read each of these digital clocks and mark the time on the clock face.

a	b	c	d
5:30	8:00	4:00	7:30

Practice Book Use anytime after Bridges, Unit 3, Session 24.

NAME _____ DATE _____

Missing Numbers

1 Fill in the missing numbers to complete the addition facts.

5 + 5 = _____	4 + 4 = _____	2 + 2 = _____
7 + _____ = 14	8 + _____ = 16	9 + _____ = 18
_____ + 6 = 12	_____ + 1 = 2	_____ + 3 = 6
10 + 2 = _____	6 + 10 = _____	10 + 4 = _____
3 + _____ = 13	10 + _____ = 18	8 + _____ = 16

2 Fill in the missing numbers to complete the pattern.
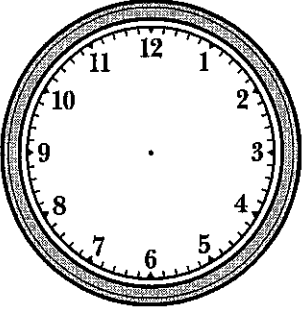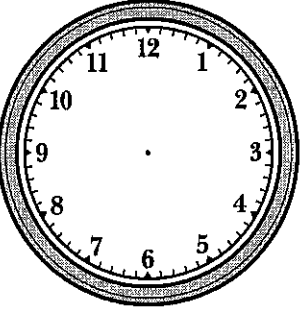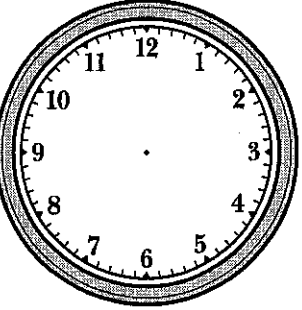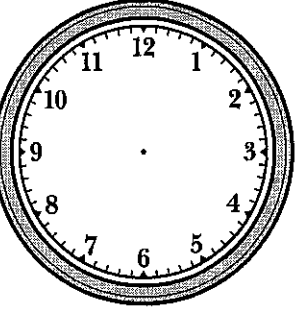
a Skip-count forward by 5's. 5, 10, 15, _____, 25, _____, _____	**b** Skip-count forward by 5's. 40, _____, 50, _____, _____, 65
c Skip-count forward by 5's. 13, 18, 23, _____, 33, _____, _____	**d** Skip-count forward by 5's. 19, 24, _____, 34, 39, _____, 49
e Skip-count backward by 5's. 30, 25, _____, 15, _____, _____	**f** Skip-count backward by 5's. 27, 22, _____, 12, _____, _____

CHALLENGE

3 Skip-count by 5's. Circle the word to show whether you went forward or backward each time.

a 143, 138, 133, _____, 123, _____, 113, _____, _____, 98	forward backward
b 332, 337, 342, _____, 352, 357, _____, _____, 372, _____	forward backward
c 488, 493, 498, _____, _____, 513, _____, _____, _____, 533	forward backward
d 267, 262, 257, _____, _____, _____, 237, _____, 227, _____	forward backward

NAME _____   DATE _____

Extra Facts

Sometimes story problems give you more facts than you need to solve the problem. In each problem below, cross out the fact you don't need. Then solve the problem. Show your work.

1 Neena bought 7 red apples, 8 green apples, and 3 yellow apples. Neena is 12 years old. How many apples did Neena buy?

Neena bought _____ apples.

2 Pedro had 15 dollars. He spent 9 dollars on a book. His friend had 12 dollars. How much money did Pedro have left?

Pedro had _____ dollars left.

3 The gym teacher had 16 soccer balls. She had 14 footballs. She gave 8 of the soccer balls to the playground helper. How many soccer balls did she have left?

The gym teacher had _____ soccer balls left.

CHALLENGE

4 The ladybug ate 28 aphids in the morning. Then she took a nap on a leaf for 3 hours. She ate 34 aphids in the afternoon. How many aphids did she eat in all?
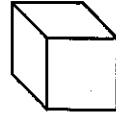
The ladybug ate _____ aphids in all.

NAME _____ DATE _____

Mystery Shapes

There are 6 mystery shapes on the right. Read each riddle below and write the name of the mystery shape.

1 I have 6 faces. 2 of my faces are square. 4 of my faces are rectangles that are not squares.

I am the _____.

2 I have no faces at all. I am round all the way around.

I am the _____.

3 I have 5 faces, but you can only see 2 of them. 4 of my faces are triangles. They meet at one point called a vertex.
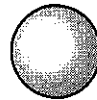
I am the _____.

4 Two of my faces are circles. If you set me on one of those faces, I will not roll.

I am the _____.

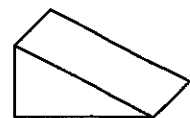**5** I have 5 faces. 3 of my faces are rectangles. 2 of my faces are triangles.

I am the _____.

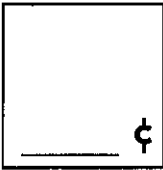**6** I have 6 faces. All my edges are exactly the same length.

I am the _____.

cube

pyramid

rectangular prism

sphere

cylinder
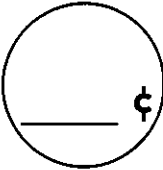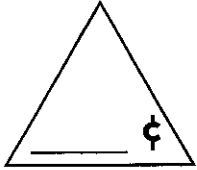
triangular prism

NAME _____   DATE _____

The Shapes Shop

1 Count the money to find out how much each shape is worth. Write the price on the shape.

a	b	c
☐ ____ ¢	◯ ____ ¢	△ ____ ¢

2 Maria bought some shapes at the Shapes Shop. She used all her shapes to make this picture. How much money did she spend? Show your work.
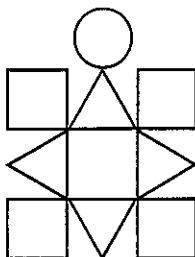
3 Use squares, circles, and triangles to make a picture worth 48¢. Label your work to prove it.

Practice Book Use anytime after Bridges, Unit 4, Session 12.

NAME _____ DATE _____
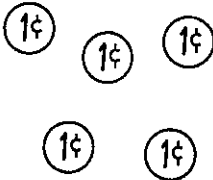
Two Different Ways to Write Money Amounts

If you have an amount of money less than a dollar, you can write the amount with a cents sign or a dollar sign.

1 Count the money in each box, and write it in two different ways.

ex (coins)	___23¢___ or ___$0.23___
a (coins)	_____ or _____
b (coins)	_____ or _____
c (coins)	_____ or _____

2 Write the name of each coin. Show how to write it with a cents sign or a dollar sign. Then draw a different way to make the same amount of money with more than one coin.

	ex nickel	**a** _____	**b** _____
Coin name	(coin)	(coin)	(coin)
Written two ways	__5¢__ or __$0.05__	_____ or _____	_____ or _____
Different way to make it.	1¢ 1¢ 1¢ 1¢ 1¢		

NAME _____   DATE _____

Sara's Pockets

1 Sara has 4 coins in her right pocket. Together, they are worth 30¢. What 4 coins does Sara have in her right pocket? Show your work.

The 4 coins Sara has in her right pocket are _____

2 Sara has 7 coins in her left pocket. Together, they are worth 24¢. What 7 coins does Sara have in her left pocket? Show your work.

The 7 coins Sara has in her left pocket are _____

NAME _____   DATE _____

Halves

1 Circle the correct answer.

a If you cut this square in half, what two shapes will you get?
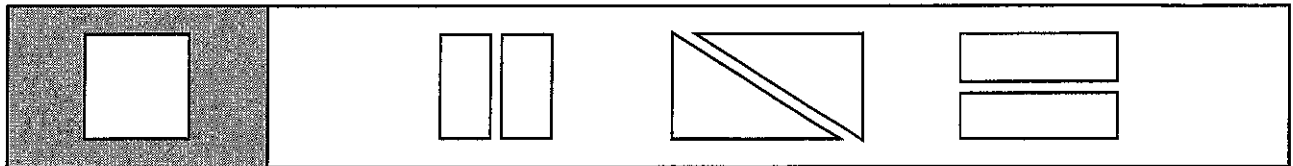
b If you cut this rectangle in half, what two shapes will you get?
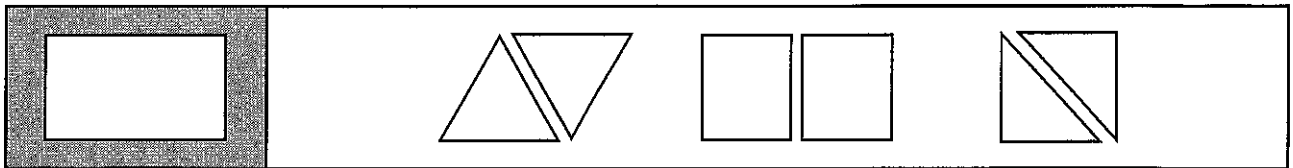
c If you cut this hexagon in half, what two shapes will you get?

2 Subtract:

10	16	20	12	14	18	6
− 5	− 8	− 10	− 6	− 7	− 9	− 3

40	60	24	30	80	100	22
− 20	− 30	− 12	− 15	− 40	− 50	− 11

400	600	200	120	180	160	140
− 200	− 300	− 100	− 60	− 90	− 80	− 70

NAME _____   DATE _____

Comparing Numbers to 300

1 Count to find out which set of base ten pieces in each pair is greater and which is less. Write numbers and signs to show.

< less than   = the same as   > greater than

example
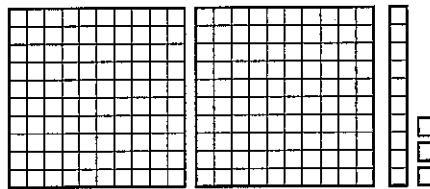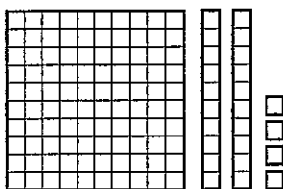
__124__ < __213__

a

_____ _____
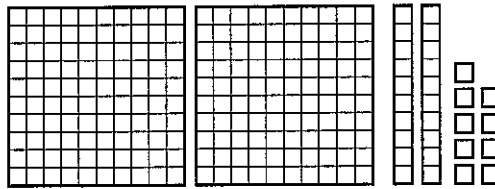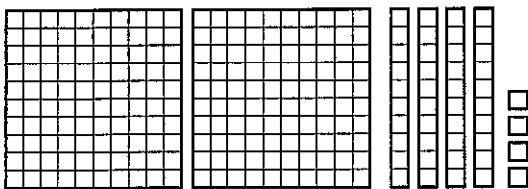
b

_____ _____
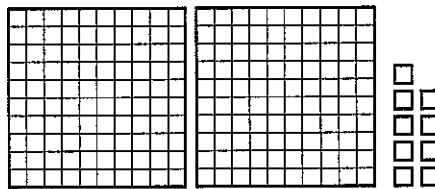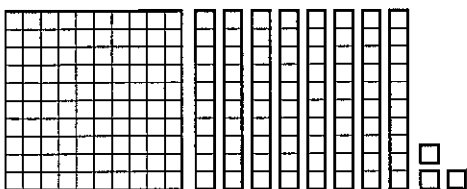
2 Read the numbers in the box. Then write them in order on the lines from least to greatest.

| 261 | 107 | 67 | 113 | 204 |

_____ _____ _____ _____ _____
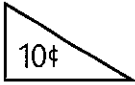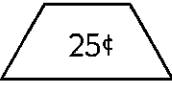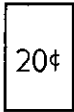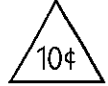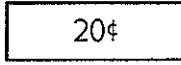
least   greatest
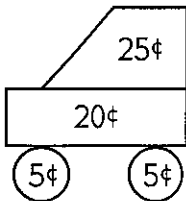
NAME _____   DATE _____

Another Trip to the Shapes Shop

Triangles	Trapezoids	Circles	Squares	Rectangles
10¢ / 10¢	25¢ / 25¢	5¢ / 5¢	15¢ / 15¢	20¢ / 20¢

1 How much does this shape picture cost? Circle the coins you could use to pay for it.

25¢
20¢
5¢   5¢

2 Draw a vehicle (car, boat, truck, plane, scooter, bike, skateboard) that costs 75¢. Label your picture with the prices. Add the numbers to check your work.

NAME _____   DATE _____

Pet Shop Equations

1 Draw a line to match each problem with its equation. Then find the answers.

a The pet shop owner had 14 hamsters. She sold 5 of them on Monday and 3 of them on Tuesday. How many hamsters does she have left?
b There were 12 puppies in the pen. The pet shop owner sold some of them. Now there are 7 puppies in the pen. How many puppies did she sell?
c The pet shop owner got 9 rabbits yesterday. A family came in and bought 2 of them. Then the shop owner got 8 more rabbits. How many rabbits does she have now?
d There were 16 fish in the big tank. The shop owner moved some of them. Now there are only 9 fish in the big tank. How many did the shop owner move?
e The shop owner had 6 kittens. Then she got some more kittens. Now she has 13 kittens. How many kittens did she get?

$9 - 2 + 8 =$ _____

$14 - 5 - 3 =$ _____

$6 +$ _____ $= 13$

$12 -$ _____ $= 7$

$16 -$ _____ $= 9$

CHALLENGE

2 Solve these equations.

$2 + 5 - 4 + 8 =$ _____ $30 - 20 +$ _____ $= 25$

$8 + 12 + 34 =$ _____   _____ $+ 5 = 21$

$20 + 30 -$ _____ $= 30 - 5$ $250 + 48 + 2 =$ _____

$90 + 170 + 64 =$ _____ $14 + 227 -$ _____ $= 227 - 9$

$123 + 48 -$ _____ $= 123 - 5$ $350 + 118 + 6 =$ _____

NAME _____ DATE _____

More Facts Than You Need

Sometimes story problems give you more facts than you need to solve the problem. In each problem below, cross out the fact you don't need. Then solve the problem. Show your work.

1 Akiko has 27 marbles. Sara has 53 marbles. Sam has 24 marbles. How many marbles do Sara and Sam have in all?

Sara and Sam have _____ marbles in all.

2 Jenny has 12 toy people. She is building a house for them. She used 12 blocks for the front gate, and 48 blocks for the rest of the house. How many blocks did Jenny use in all?

Jenny used _____ blocks in all.
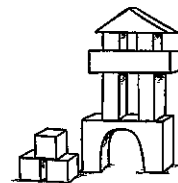
3 Juan had 56 crayons. He gave 23 of his crayons to his friend. Juan also gave his friend 15 marking pens. How many crayons does Juan have left?

Juan has _____ crayons left.
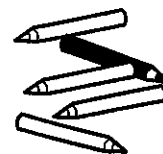
⚡ **CHALLENGE**

4 The Toy Factory made 90 robots on Tuesday. 23 people work at the factory. They sold 54 of the robots on Wednesday. How many robots did they have left?

The Toy Factory had _____ robots left.

NAME _____   DATE _____

Sam's Hot Dog Stand

1 Sam has a hot dog stand at the mall. The chart below shows how many hot dogs he sold last week. Use the chart to help answer the questions below.

a Which day did Sam sell the most hot dogs?

b Which day did Sam sell the fewest hot dogs?

c How many hot dogs did Sam sell on Tuesday and Wednesday put together? Show your work.

Hot Dogs Sold	
Day	Number of Hot Dogs
Monday	119
Tuesday	125
Wednesday	163
Thursday	108
Friday	234
Saturday	345
Sunday	325

2 Use one of the signs below to compare the number of hot dogs Sam sold on different days.

< less than   = the same as   > greater than

ex 125 __<__ 345	**a** 325 _____ 108	**b** 108 _____ 119
c 234 _____ 164	**d** 163 _____ 345	**e** 325 _____ 234

3 Put the numbers from the chart (in problem 1) in order from least to greatest on the lines below.
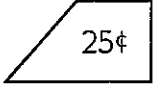
_____, _____, _____, _____, _____, _____, _____
least   greatest

CHALLENGE

4 How many hot dogs did Sam sell altogether? Show your work.

NAME _____ DATE _____

The Pet Graph

1 The second graders in Ms. Nelson's class made a graph with pictures to show their favorite pets. Each student put one picture on the graph to show his or her favorite pet. Use their graph to help answer the questions below.

Our Favorite Pets	
Fish	🐟 🐟 🐟 🐟 🐟
Birds	🐦 🐦
Cats	🐱 🐱 🐱 🐱 🐱 🐱 🐱 🐱
Dogs	🐕 🐕 🐕 🐕 🐕 🐕 🐕 🐕 🐕 🐕 🐕 🐕
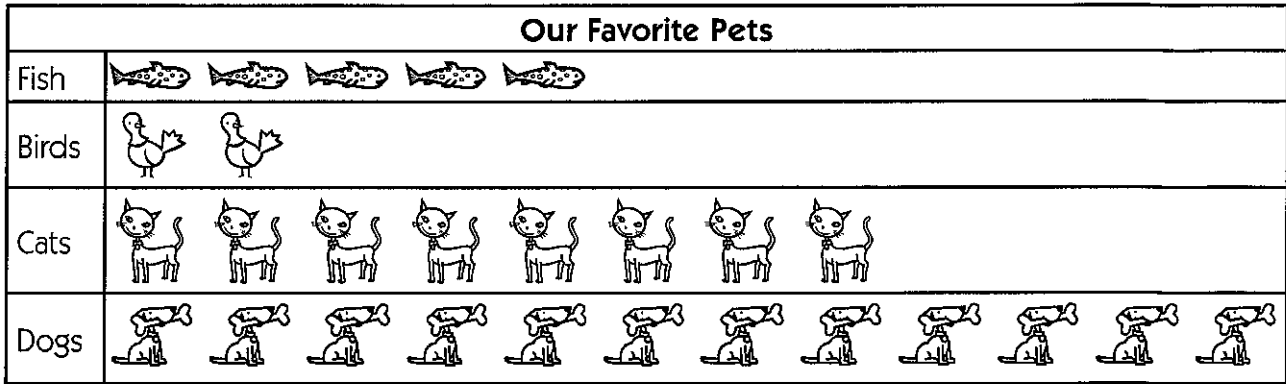
a Which pet did most kids like the best? _____

b How many more kids like dogs than fish the best? _____

c How many fewer kids like birds than cats the best? _____

d Write a number sentence to show how many kids put pictures on this graph.

2 The kids in Ms. Nelson's class did a survey of all the second grades to find out about kids' favorite pets. Use their chart to help answer the questions below.

a How many more kids like fish than birds the best? Show your work.

b How many more kids like dogs than cats the best? Show your work.

2nd Grade Favorite Pets	
Pet	Number of Kids
Fish	17
Birds	8
Cats	45
Dogs	62

NAME _____ DATE _____

More Place Value Practice

1 Count by 10's, either forward or backward, to fill in the missing numbers.

a 10, 20, 30, 40, _____, _____, _____, 80, _____, 100, 110, _____, _____

b 280, 270, 260, _____, _____, 230, _____, _____, 200, _____, _____

c 203, 213, 223, _____, _____, 253, _____, _____, _____, 293, _____

d 567, 557, 547, 537, _____, _____, 507, _____, 487, _____, 467

2 Count by 100's, either forward or backward, to fill in the missing numbers.

a 100, 200, 300, _____, _____, _____, 700, _____, _____

b 950, 850, 750, _____, _____, _____, 350, _____, _____

c 203, 303, 403, _____, _____, _____, 803, _____, 1003

d 914, 814, 714, _____, _____, 414, _____, _____, _____

3 Add the numbers.

400 + 70 + 2 = _____   600 + 20 + 8 = _____

800 + 50 + 5 = _____   100 + 10 + 3 = _____

200	300	700	200	400	100	900
50	80	40	60	40	10	90
+ 9	+ 1	+ 2	+ 0	+ 4	+ 7	+ 9
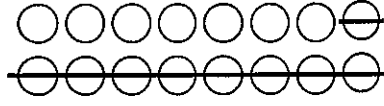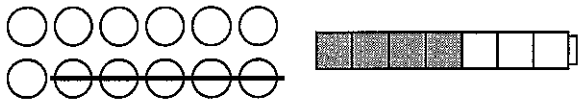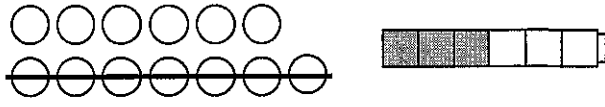
4 Circle the answer in each of the questions below.

a The **3** in **359** is in the	ones place tens place hundreds place
b The **4** in **904** is in the	ones place tens place hundreds place
c The **5** in **256** is in the	ones place tens place hundreds place

NAME _____   DATE _____

Solving Equations

1 Fill in the missing numbers.

a 15 = _____ + 7

b 5 + _____ = 13

c 14 – _____ = 8

d 16 – _____ = 7

e 9 + 6 = _____ + 8

f 12 – 5 = 4 + _____

g 13 – 7 = 3 + _____

2 Fill in the missing numbers.

40 + 50 = _____   30 + _____ = 60   _____ + 70 = 90

25 + 35 = _____   25 + _____ = 50   _____ + 40 = 85

80 – 40 = _____   70 – _____ = 20   _____ – 30 = 30

95 – 40 = _____   55 – _____ = 35   _____ – 25 = 25

CHALLENGE

3 Fill in the missing numbers.

250 = _____ + 6   90 + 70 = _____ + 17   140 – 60 = 30 + _____

NAME _____   DATE _____

Apples & Orange Slices

1 There are 4 baskets on the table. Each basket has 12 apples in it. How many apples are there in all? Show your work. Mark the answer clearly.

There are _____ apples.

CHALLENGE

2 There are 4 plates on the table. Each plate has 12 orange slices on it. Each orange slice has 3 seeds. How many seeds in all? Show your work. Mark the answer clearly.

There are _____ seeds.

Practice Book Use anytime after Bridges, Unit 7, Session 14.
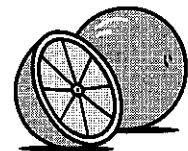
NAME _____   DATE _____

The Second Graders Clean Their Desks

On Friday afternoon, Mrs. Nelson asked her second graders to clean their desks. This chart shows the extra things the kids found in their desks.

1 Finish the graph on the right. Give it a title. Color in the columns to show what the kids found in their desks.

Number	Extra Things
44	Extra pencils
18	Extra pairs of scissors
12	Extra glue sticks
15	Extra erasers
9	Overdue library books

2 How many more pencils than erasers did the kids find? Show your work.

Title _____

Number of Extra Things

45
42
39
36
33
30
27
24
21
18
15
12
9
6
3
0

Pencils   Scissors   Glue Sticks   Erasers   Books
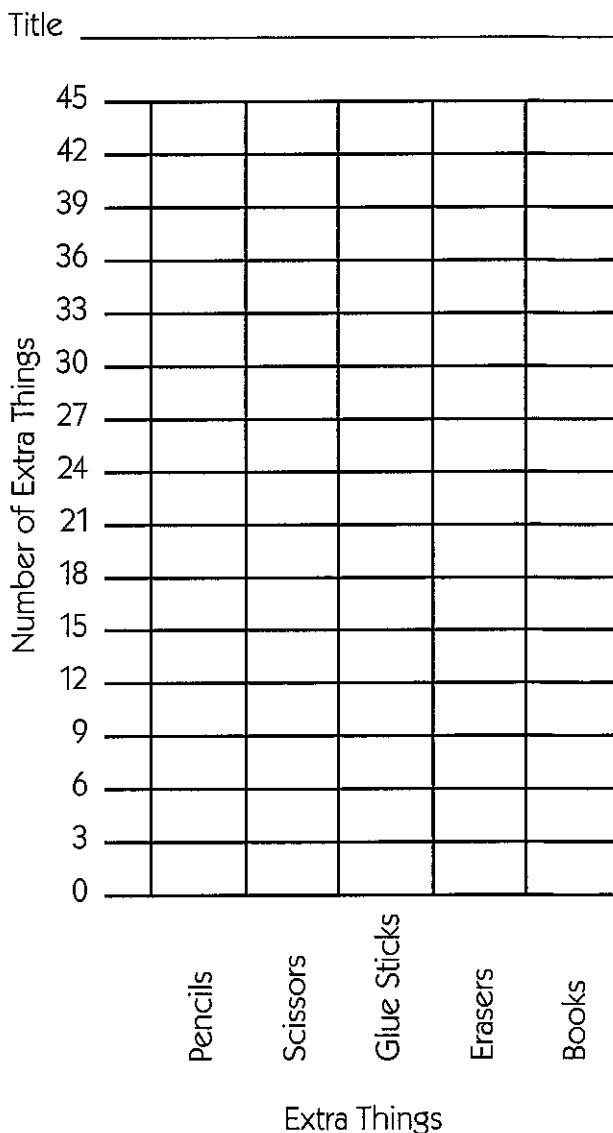
Extra Things

CHALLENGE

3 How many extra things did they find in all? Show your work.
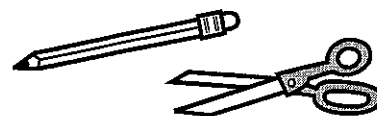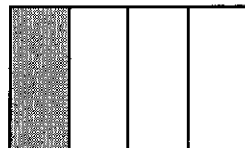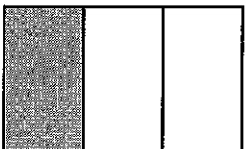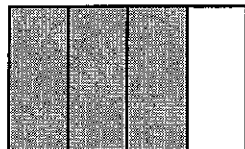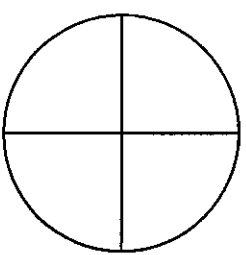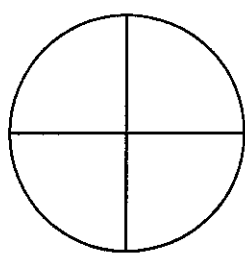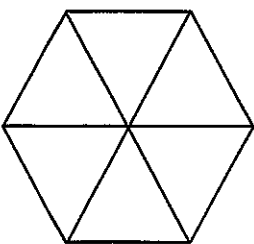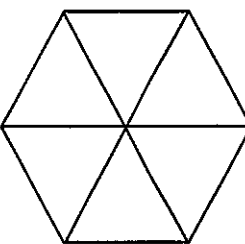
NAME _____   DATE _____

Fractions

1 What part of each rectangle is colored? Circle the correct fraction.

a	b
$\frac{1}{3}$ $\frac{2}{2}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{1}{4}$ $\frac{2}{4}$ $\frac{1}{3}$ $\frac{3}{6}$
c	d
$\frac{2}{3}$ $\frac{1}{2}$ $\frac{3}{4}$ $\frac{1}{3}$	$\frac{3}{4}$ $\frac{2}{4}$ $\frac{3}{3}$ $\frac{5}{4}$

2 Read each fraction and color in that part of the shape.

a	b
$\frac{2}{4}$	$\frac{3}{4}$
c	d
$\frac{1}{6}$	$\frac{3}{6}$

NAME _____   DATE _____

Place Value Review

1 Circle the place value of the underlined digit. Then write its value.

Number	Place Value	Value	Number	Place Value	Value
ex a 2_3_8	ones (tens) hundreds	30	**ex b** 10_9_	(ones) tens hundreds	9
a _7_43	ones tens hundreds		**b** 25_3_	ones tens hundreds	
c 1_5_0	ones tens hundreds		**d** _6_08	ones tens hundreds	

2 Write one of these signs on each line to make the sentence true.

< less than   = the same as   > greater than

ex 456 _<_ 546	**a** 85 ____ 58	**b** 327 ____ 372	**c** 106 ____ 610
d 218 ____ 218	**e** 735 ____ 573	**f** 204 ____ 240	**g** 483 ____ 438

3 Fill in the missing digits to make each statement true. There is more than one right answer for each one.

ex 3 _2_ 7 < 347	**a** 235 > ___35	**b** 307 < ___07	**c** 135 < 13___
d 4___3 > 463	**e** 1___9 < 139	**f** 182 > 1___2	**g** 514 < 51___

NAME _____   DATE _____

Adding & Subtracting

1 Add the numbers.

80	30	44	50	70	51	60
+ 6	+ 43	+ 24	+ 38	+ 7	+17	+ 16

370	120	890	360	340	430	125
+ 8	+ 6	+ 4	+ 15	+ 50	+ 27	+ 25

2 Use pictures, numbers, and/or words to add the numbers in each box. Show all your work.

a 36 + 55	**b** 129 + 133

3 Subtract the numbers.

86	39	48	56	35	55	50
− 6	− 9	− 7	− 5	− 15	− 25	− 25

4 Use pictures, numbers, and/or words to subtract the numbers in the box. Show all your work.

51 − 26

NAME _____   DATE _____

Pedro's Birthday

Pedro's birthday is on April 30. Use the calendar to help solve the problems below.

1 What day of the week is Pedro's birthday this year?

2 Early in the month, Pedro said, "Mom, guess what? It's only 27 more days until my birthday!"

a What was the date on that day?

b Explain your answer.

			April			
Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

3 On April 9th, Pedro said, "Now it's only 3 more weeks until my birthday." How many days are there in 3 weeks? Show your work.

4 On April _____, Pedro said, "Now it's only 3 more days until my birthday." How many hours are there in 3 days? Show your work.

5a On April 30, Pedro said, "My party starts at 12:30. It's 9:30 now!" How many hours is it until Pedro's party?

b How many minutes are there in 3 hours? Show your work.
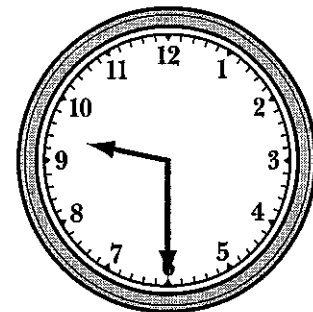
NAME _____ DATE _____

Digits & Number Riddles

1 Tell what digit is in each place.

a 289	_____ is in the tens place. _____ is in the ones place. _____ is in the hundreds place.	**b** 945	_____ is in the ones place. _____ is in the hundreds place. _____ is in the tens place.
c 316	_____ is in the tens place. _____ is in the hundreds place. _____ is in the ones place.	**d** 405	_____ is in the ones place. _____ is in the tens place. _____ is in the hundreds place.
e 5,687	_____ is in the tens place. _____ is in the ones place. _____ is in the thousands place. _____ is in the hundreds place.	**f** 4,301	_____ is in the ones place. _____ is in the hundreds place. _____ is in the tens place. _____ is in the thousands place.

CHALLENGE

2 Solve these number riddles.

a I have a 4 in the tens place. • I have a 1 in the hundreds place. • The number in my ones place is more than 6 and less than 9. • I am an odd number. What number am I?	**b** I have a 7 in the hundreds place. • I have a 0 in the tens place. • I have a 3 in the thousands place. • The number in my ones place is less than 3. • I am an even number. What number am I?

Pizza Problems

David and Sara each got a mini-pizza exactly the same size. David cut his pizza into 4 equal pieces. Sara cut her pizza into 6 equal pieces.

1 Who had bigger pieces? Draw on the circles below to help solve this problem.
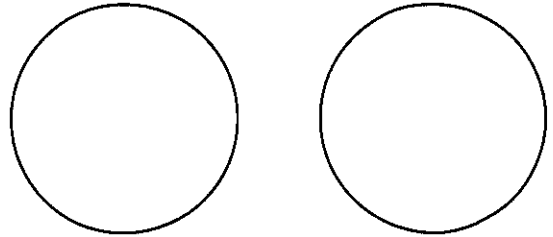
_____ had bigger pieces.

CHALLENGE

2 David ate 3 of his pieces. Sarah ate 4 of her pieces. Who ate more pizza? Use pictures, numbers, and/or words to explain your answer.

_____ ate more pizza.

NAME _____   DATE _____

Reading & Writing Numbers

1 Read each number. Then write it in expanded form.

example four hundred fifteen $415 = 400 + 10 + 5$	**a** two hundred eighty-six
b seven hundred fifty-three	**c** six hundred twenty-one
d three hundred forty-seven	**e** nine hundred seventeen
f one hundred sixty	**g** eight hundred four

2 Add the numbers.

$500 + 20 + 8 =$ _____ $200 + 20 + 2 =$ _____ $100 + 70 + 1 =$ _____

$700 + 10 + 9 =$ _____ $800 + 40 + 7 =$ _____ $500 + 3 =$ _____

200	300	200	400	900	300	400
90	10	20	50	90	40	10
+ 1	+ 9	+ 6	+ 2	+ 9	+ 1	+ 8

3 Circle the number that has the same value as the expanded form.

a 300 + 6				**b** 200 + 10 + 7			
36	336	306	316	207	217	271	721

**Practice Book** Use anytime after Bridges, Unit 7, Session 25.

NAME _____   DATE _____

How Long Is a Shark?

There are many different types of sharks. Some are longer than others. This chart shows how long some of the different sharks are. Use it to help answer the questions below.

Shark Lengths	
Shark Name	**Average Length (in centimeters)***
White Shark	204 centimeters
Bignose Shark	174 centimeters
Night Shark	154 centimeters
Bigeye Thresher Shark	312 centimeters
Tiger Shark	247 centimeters
Thresher Shark	373 centimeters
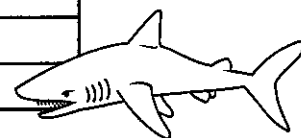
1 Which shark on the chart is the longest? _____

2 Which shark on the chart is the shortest? _____

3 Write one of these symbols on each blank to make the sentence true.

< less than   = the same as   > greater than

a Length of a Tiger Shark _____ Length of a White Shark

b Length of a Bignose Shark _____ Length of a Tiger Shark

4 Put the lengths of the sharks in order from least to greatest.

_____, _____, _____, _____, _____, _____

least   greatest

5 How much longer is a Thresher Shark than a Tiger Shark? Show your work. Mark the answer clearly.

* Source: http://na.nefsc.noaa.gov/sharks/

NAME _____ DATE _____

Addition & Subtraction Practice

1 Add the numbers.

40	20	57	50	75	34	35
+ 3	+ 38	+ 31	+ 16	+ 25	+ 34	+ 35

290	340	562	225	325	325	450
+ 9	+ 20	+ 35	+ 15	+ 25	+ 26	+ 50

2 Use pictures, numbers, and/or words to add the numbers in each box. Show all your work.

a 47 + 47	**b** 148 + 122

3 Subtract the numbers.

49	50	67	50	45	30	100
– 9	– 10	– 23	– 25	– 15	– 15	– 75

4 Choose *one* of the problems in the box. Circle it. Then solve it. Use pictures, numbers, and/or words to help. Show all your work.

35 – 15	50 – 25	83 – 49	123 – 99

NAME _____   DATE _____

More Number Patterns

**1** Fill in the missing numbers in these skip-counting patterns.

a 15, 25, 35, _____, 55, _____, 75, _____, _____, _____, 115, 125

b 6, 12, 18, _____, _____, 36, _____, _____, _____, 60, 66, _____

c 105, 110, 115, _____, _____, 130, _____, _____, 145, _____, 155

d 13, 113, 213, _____, 413 _____, 613, _____, _____, _____

2 DJ and Hopper are jumping from stone to stone to get across the stream. There are nine stones in all. There is exactly 1 foot between each stone, and there are 12 inches in a foot. Finish the table below to see how many inches the frogs have to jump to get all the way across the stream.
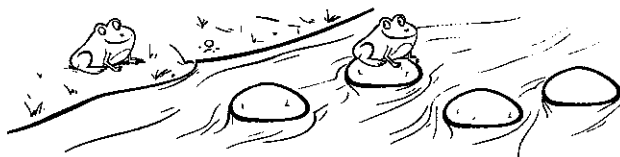
Feet	1	2	3	4	5	6	7	8	9
Inches	12	24			60				

CHALLENGE

3 The path from DJ's house to the stream is 27 feet long. There are 3 feet in a yard. How many yards is it from DJ's house to the stream? Show your work.