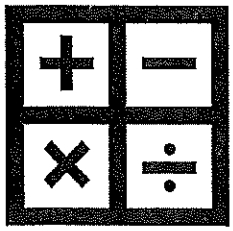

Dear Parents/Guardians,

As we move into summer it is important for students to maintain the math skills, they have worked so hard learning and developing. To assist them in practicing these skills, this math packet has been provided for use throughout the summer. The packet is useful in avoiding the summer slide.

In addition to the work in this packet, students should also have opportunities to do some of the following activities to help reinforce their math skills:

- **Practice basic math facts daily (addition and subtraction)**
- Use mental math whenever the opportunity arises
- Apply math to everyday activities that include time, money, measurement, geometry and probability
- Solve problems by exploring solutions and by using various strategies
- Communicate his or her mathematical thinking by using math vocabulary, using pictures to arrive at an answer writing about math, and listening to others' ways of thinking

As you know, math is a very important skill. Encouraging your child to think positively about learning math can be extremely helpful in the learning process. Help show your child that math is fun!

Have a fabulous summer!

The Second Grade Teachers

Name _____

Find Sums on an Addition Table

1. Write the missing sums in the addition table.

+	0	1	2	3	4	5	6	7	8	9	10
0	0	1	2	3	4	5	6	7	8		10
1	1	2	3	4	5	6	7	8		10	11
2	2	3	4	5	6	7	8		10	11	
3	3	4	5	6	7	8		10	11		13
4	4	5	6	7	8		10	11		13	14
5	5	6	7	8		10	11		13	14	
6	6	7	8		10	11		13	14		16
7	7	8		10	11		13	14		16	17
8	8		10	11		13	14		16	17	18
9		10	11		13	14		16	17	18	19
10	10	11		13	14		16	17	18	19	20

Problem Solving Real World

Solve. Write or draw to explain.

2. Marvin finds doubles facts, such as 4 + 4 and 1 + 1, on the addition table. He colors each sum.

What pattern does Marvin make when he colors the sums of the doubles facts?

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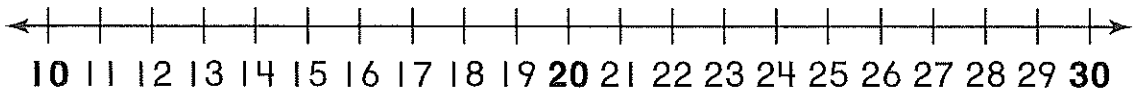
Name _____

Estimate Sums: 2-Digit Addition

Find the nearest ten for each number.
Add the tens to estimate.

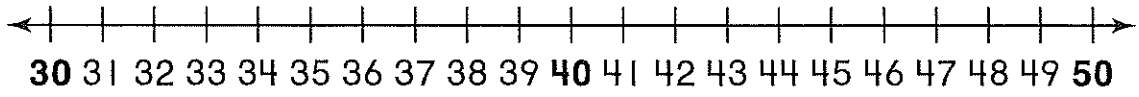
1. Estimate the sum of 21 + 17.



_____ + _____ = _____

An estimate of the sum is _____.

2. Estimate the sum of 32 + 49.



_____ + _____ = _____

An estimate of the sum is _____.

Problem Solving Real World

Solve. Write or draw to explain.

3. Taryn had 38 marbles. Her sister gave her 29 more marbles. Estimate the number of marbles Taryn has now.

about _____ marbles

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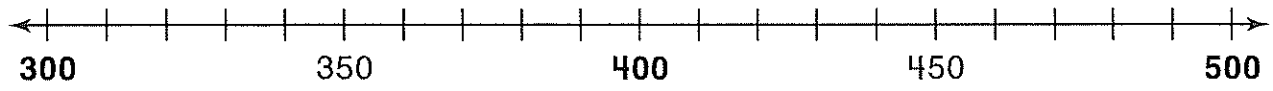
Name _____

Estimate Sums: 3-Digit Addition

Find the nearest hundred for each number. Add the hundreds to estimate.

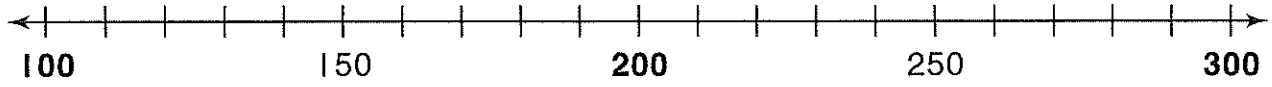
1. Estimate the sum of 332 + 459.



_____ + _____ = _____

An estimate of the sum is _____.

2. Estimate the sum of 295 + 198.



_____ + _____ = _____

An estimate of the sum is _____.

Problem Solving Real World

Solve. Write or draw to explain.

3. Anja collected shells at the beach. She has 377 shells in a box and 219 shells in a pail. Estimate the number of shells Anja has in all.

about _____ shells

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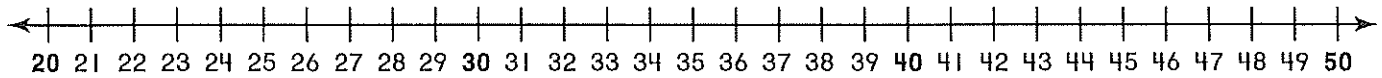
Name _____

Estimate Differences: 2-Digit Subtraction

Find the nearest ten for each number. Subtract the tens to estimate.

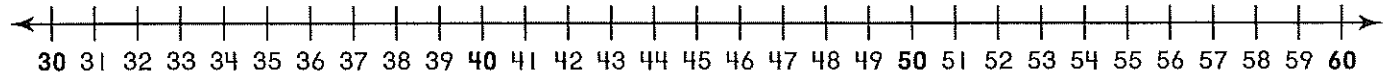
1. Estimate the difference of 48 − 21.



_____ − _____ = _____

An estimate of the difference is _____.

2. Estimate the difference of 51 − 38.



_____ − _____ = _____

An estimate of the difference is _____.

Problem Solving Real World

Solve. Write or draw to explain.

3. Hannah's class collected 37 bottles and 16 cans to recycle. About how many more bottles than cans did the class collect?

about _____ more bottles

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Name _____

Estimate Differences: 3-Digit Subtraction

Find the nearest hundred for each number. Subtract the hundreds to estimate.

1. Estimate the difference of 386 − 235.

_____ − _____ = _____

An estimate of the difference is _____.

2. Estimate the difference of 790 − 674.

_____ − _____ = _____

An estimate of the difference is _____.

Problem Solving Real World

Solve. Write or draw to explain.

3. Max wants to have 425 baseball cards. He has 318 baseball cards right now. About how many more cards does he need to get?

about _____ more cards

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Name _____

Order 3-Digit Numbers

Write the numbers in order from least to greatest.

1.

508
406
609

_____ < _____ < _____

2.

687
330
653

_____ < _____ < _____

3.

251
193
257

_____ < _____ < _____

4.

828
839
899

_____ < _____ < _____

Problem Solving Real World

5. Greg, Sam, and Trevor play a video game. Sam scores the highest. Greg scores the lowest.

Greg	494
Sam	691
Trevor	?

494 < _____ < 691

On the line, write a 3-digit number that could be Trevor's score.

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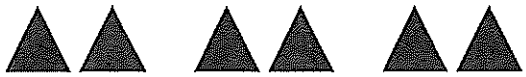
Name _____

Equal Groups of 2

Complete the sentence to show how many in all.

1. 

_____ groups of _____ is _____ in all.

2. 

_____ groups of _____ is _____ in all.

3. 

_____ groups of _____ is _____ in all.

4. 

_____ groups of _____ is _____ in all.

Problem Solving Real World

Solve. Write or draw to explain.

5. Paula puts 2 stuffed animals on each shelf. She has 5 shelves. How many stuffed animals does she put on her shelves?

_____ stuffed animals

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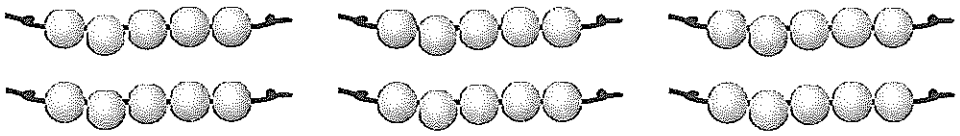
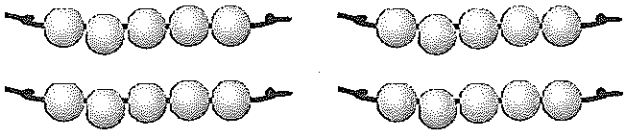
Name _____

Equal Groups of 5

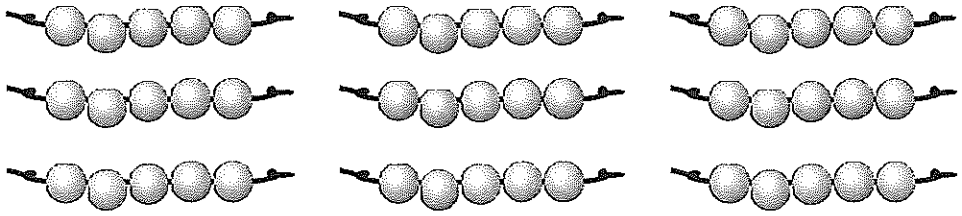
Complete the sentence to show how many in all.

1. 

_____ groups of _____ is _____ in all.

2. 

_____ groups of _____ is _____ in all.

3. 

_____ groups of _____ is _____ in all.

4. 

_____ groups of _____ is _____ in all.

Problem Solving Real World

Solve. Write or draw to explain.

5. Mr. Peters buys markers in boxes of 5. He buys 5 boxes. How many markers does Mr. Peters buy?

_____ markers

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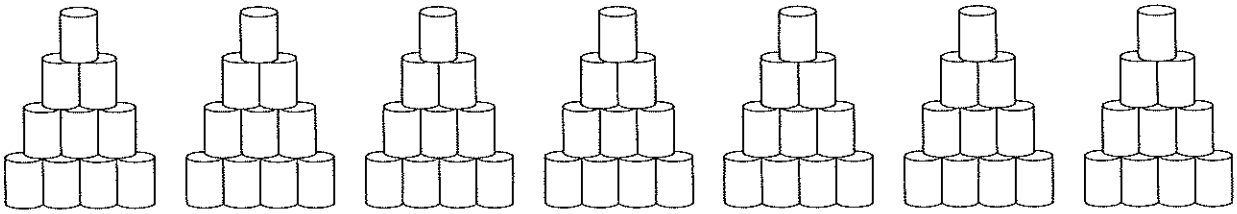
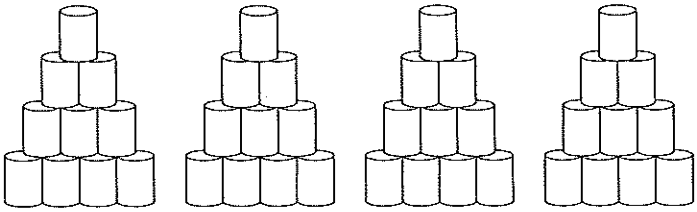
Name _____

Equal Groups of 10

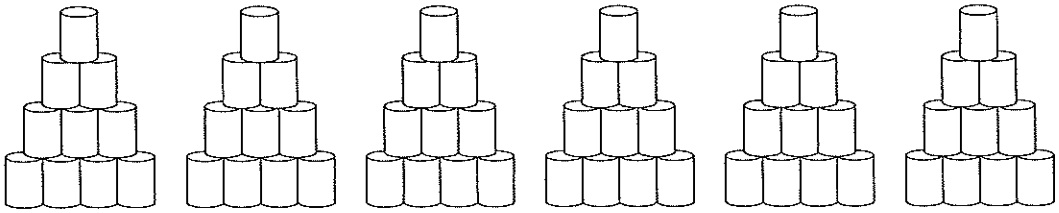
Complete the sentence to show how many in all.

1. 

_____ groups of _____ is _____ in all.

2. 

_____ groups of _____ is _____ in all.

3. 

_____ groups of _____ is _____ in all.

Problem Solving Real World

Solve. Write or draw to explain.

4. Mrs. Andrews buys cheese sticks in packages of 10. She buys 3 packages. How many cheese sticks does Mrs. Andrews buy?

_____ cheese sticks

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Name _____

HANDS ON
Lesson 10

Size of Shares

Use counters. Draw to show your work. Write how many in each group.

1. Place 8 counters in 2 equal groups.

_____ counters in each group

2. Place 12 counters in 4 equal groups.

_____ counters in each group

3. Place 15 counters in 3 equal groups.

_____ counters in each group

Problem Solving Real World

Solve. Draw to show your work.

4. Lisa divides 12 flowers between 2 vases. She wants to have 8 flowers in each vase. How many more flowers does she need?

_____ more flowers

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Name _____

Number of Equal Shares

Use counters. Draw to show your work. Write how many groups.

1. Place 6 counters in groups of 2.

_____ groups

2. Place 16 counters in groups of 4.

_____ groups

3. Place 12 counters in groups of 3.

_____ groups

Problem Solving Real World

Solve. Draw to show your work.

4. Maria has 18 flowers. Each vase holds 3 flowers. How many vases can she fill?

_____ vases

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Name _____

Solve Problems with Equal Shares

Solve. Draw or write to show what you did.

1. There are 3 pizzas. Each pizza has 10 slices. How many slices of pizza are there in all?

_____ slices

2. Mrs. Jensen can pack 2 sandwiches in a plastic bag. How many plastic bags will Mrs. Jensen need if she makes 8 sandwiches?

_____ plastic bags

Problem Solving Real World

Solve. Draw to show your work.

3. Each player has 5 game cards. How many game cards do 3 players have?

_____ game cards

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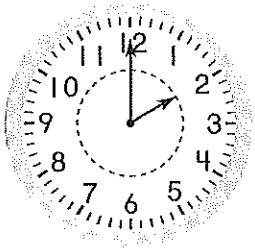
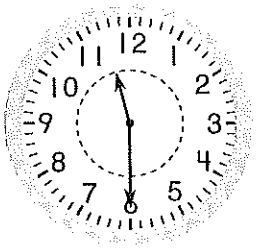
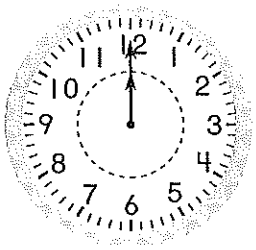
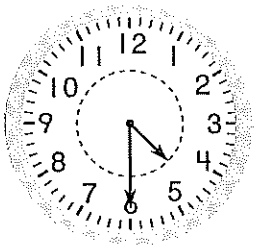
Name _____

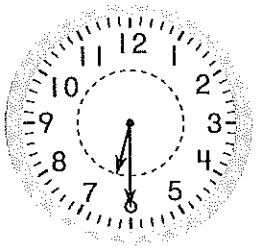
Hour Before and Hour After

Write the time shown on the clock .
Then write the time I hour before and I hour after.

1.  _____	_____ I hour before _____ I hour after	2.  _____	_____ I hour before _____ I hour after
3.  _____	_____ I hour before _____ I hour after	4.  _____	_____ I hour before _____ I hour after

Problem Solving Real World

5. Wes needs to walk the dog I hour after the time on the clock. When does Wes need to walk the dog?



Wes needs to walk the dog at _____.

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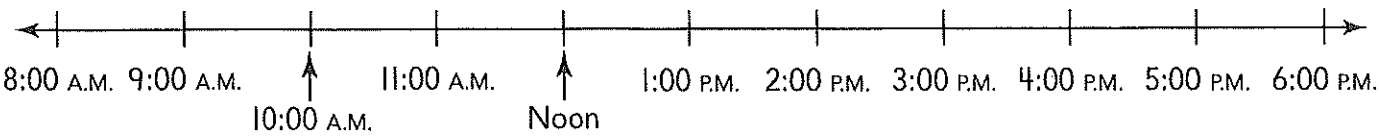
Name _____

Elapsed Time in Hours



Use the time line above. Solve.

1. Eli's grandma comes to visit at 8:00 A.M. She leaves at noon. How long does Eli's grandma visit?

____ hours

2. The bus trip starts at 3:00 P.M and ends at 6:00 P.M. How long is the bus trip?

____ hours

3. Mr. North starts mowing the grass at 8:00 A.M. He finishes at 10:00 A.M. How long does Mr. North mow grass?

____ hours

4. The movie starts at 2:00 P.M. It ends at 4:00 P.M. How long is the movie?

____ hours

Problem Solving Real World

Solve. Draw or write to explain.

5. The times for the events at the science fair are listed.

Event	Time
Set Up Exhibits	1:00 P.M.
Judging	2:30 P.M.
Presentations	4:30 P.M.

How long will the judging last? ____ hours

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Name _____

Elapsed Time in Minutes

Subtract to solve.

1. Anton walks his dog. He starts at 1:15 P.M. He finishes at 1:50 P.M. How long does he walk his dog?

_____ minutes

2. It starts to rain at 10:05 A.M. It stops raining at 10:30 A.M. How long does it rain?

_____ minutes

3. Hans starts washing dishes at 6:40 P.M. He finishes at 6:55 P.M. How long does it take Hans to wash the dishes?

_____ minutes

4. Mrs. Finley puts cookies in the oven at 2:25 P.M. She takes them out at 2:35 P.M. How long are the cookies in the oven?

_____ minutes

Problem Solving Real World

Show how to use subtraction to solve.

5. Mrs. Sanders gets to the train station at 4:10 P.M. She looks at the train arrival times.

Train Arrival Times
1:30 P.M.
2:45 P.M.
4:30 P.M.

_____

How long will she need to wait for a train? _____ minutes

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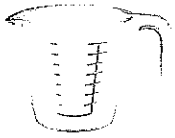
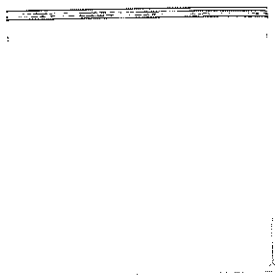
Name _____

Hands On: Capacity • Nonstandard Units

How many scoops does the container hold? Estimate. Then measure.

	Container	Estimate	Measure
1.	 milk carton	about ____ scoops	about ____ scoops
2.	 measuring cup	about ____ scoops	about ____ scoops
3.	 sandwich bag	about ____ scoops	about ____ scoops

Problem Solving Real World

Solve.

4. The small box holds 4 scoops of flour. The large box hold 5 more scoops than the small box. How many scoops of flour do the two boxes hold in all?

____ scoops in all

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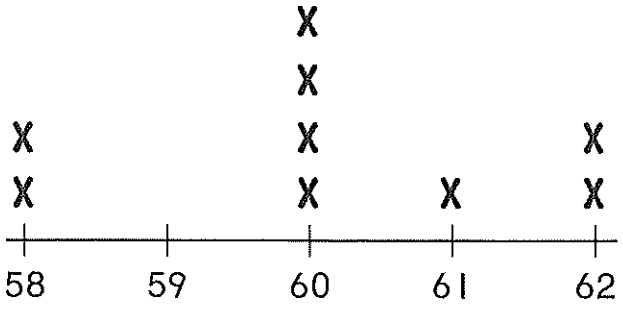
Name _____

Describe Measurement Data



Lengths of the Cafeteria Tables in Inches

Use the line plot to answer the questions.

1. How many tables are 62 inches long?

_____ tables

2. What is the difference in inches between the lengths of the shortest and longest tables?

_____ inches

Write two other questions you can answer by looking at the line plot. Answer your questions.

3. Question _____

_____

Answer _____

4. Question _____

_____

Answer _____

Problem Solving Real World

Solve using data from the line plot above.

5. For the science fair, Mr. Johnson needs a table that is more than 60 inches long. How many of the cafeteria tables are longer than 60 inches?

_____ tables

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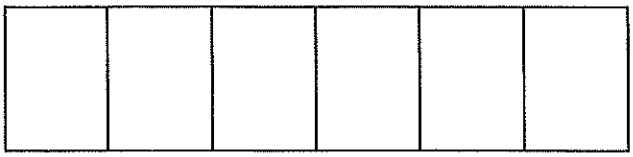
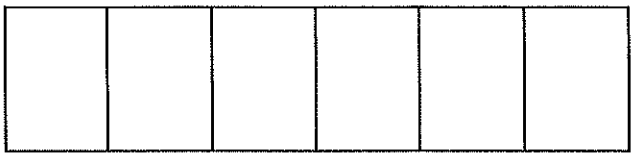
Name _____

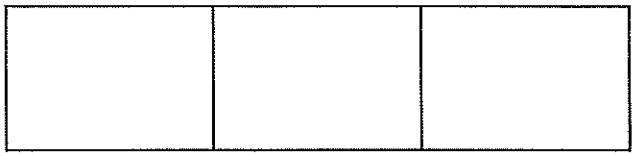
Fraction Models: Thirds and Sixths

Color the strips. Show two different ways to show 5 sixths.

1. 

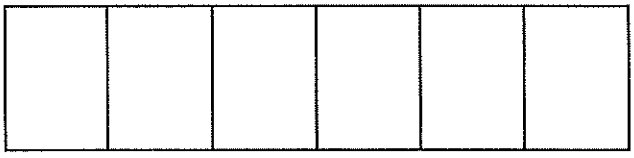
2. 

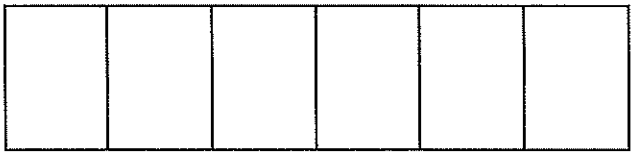
Color the strips. Show two different ways to show 2 thirds.

3. 

4. 

Color the strips. Show two different ways to show 3 sixths.

5. 

6. 

Problem Solving Real World

Solve. Write or draw to explain.

7. A sub sandwich is cut into thirds.
Jon eats one part of the sandwich.
How many parts are left? ____ parts

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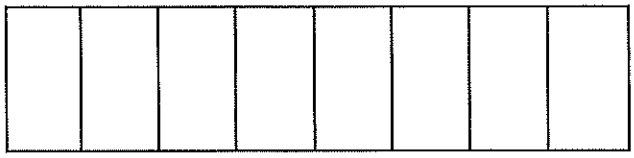
Name _____

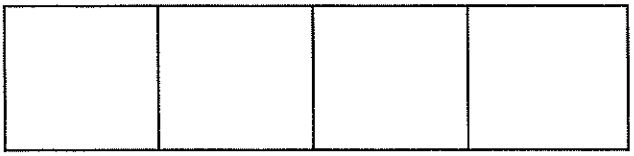
Fraction Models: Fourths and Eighths

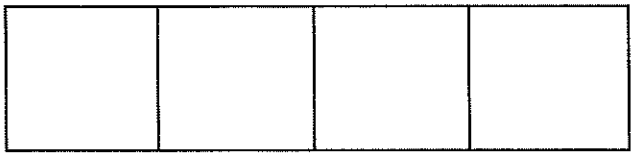
Color the strips. Show two different ways to show 5 eighths.

1. 

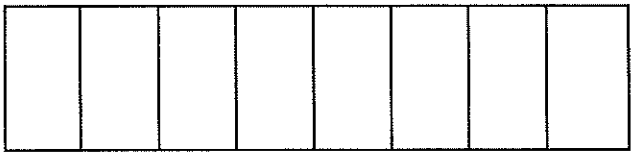
2. 

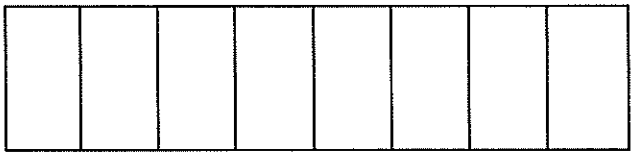
Color the strips. Show two different ways to show 2 fourths.

3. 

4. 

Color the strips. Show two different ways to show 2 eighths.

5. 

6. 

Problem Solving Real World

Solve. Write or draw to explain.

7. A piece of string is cut into fourths. Jenny uses one of the parts to make a bracelet. How many parts of the string are left?

_____ parts

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Name _____

Compare Fraction Models

Color to show the fractions. Write <, =, or >.

1.

1 half	half				half			
1 eighth	eighth	eighth	eighth	eighth	eighth	eighth	eighth	eighth

1 half ◯ 1 eighth

2.

2 sixths	sixth	sixth	sixth	sixth	sixth	sixth
1 third	third		third		third	

2 sixths ◯ 1 third

Problem Solving Real World

Solve. Draw to show your answer.

3. Kay cut a cheese stick into sixths and ate a sixth. Jake cut a cheese stick into thirds and ate a third. Which child ate less cheese?

_____ ate less cheese.

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