

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 

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.

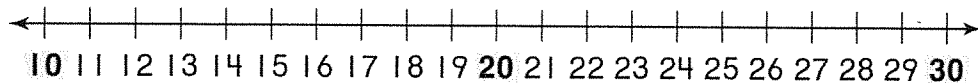
What pattern does Marvin make when he colors the sums of the doubles facts?

Name _____

Estimate Sums: 2-Digit Addition

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

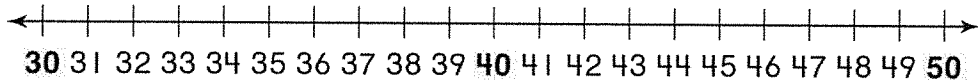
1. Estimate the sum of $21 + 17$.



_____ + _____ = _____

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.

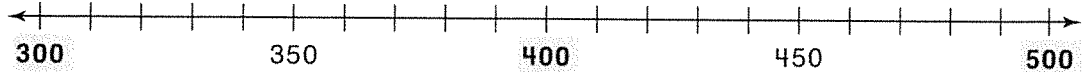
about _____ marbles

Name _____

Estimate Sums: 3-Digit Addition

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

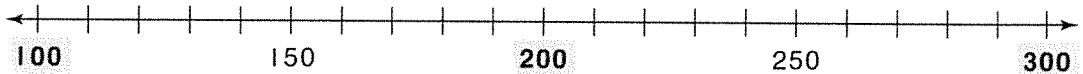
1. Estimate the sum of
- $332 + 459$
- .



$$\underline{\quad\quad\quad} + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

An estimate of the sum is _____.

2. Estimate the sum of
- $295 + 198$
- .



$$\underline{\quad\quad\quad} + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

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.

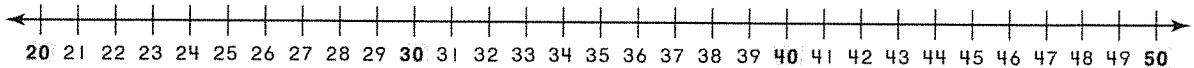
about _____ shells

Name _____

Estimate Differences: 2-Digit Subtraction

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

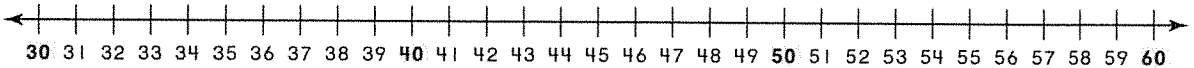
1. Estimate the difference of $48 - 21$.



$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

An estimate of the difference is _____.

2. Estimate the difference of $51 - 38$.



$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

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?

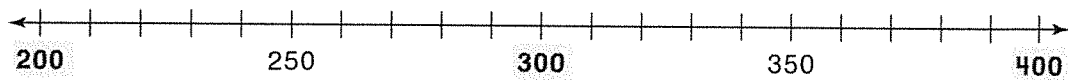
about _____ more bottles

Name _____

Estimate Differences: 3-Digit Subtraction

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

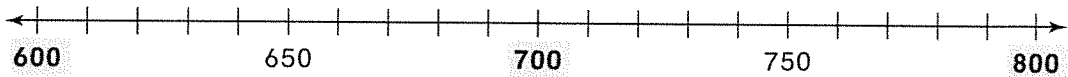
1. Estimate the difference of $386 - 235$.



$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

An estimate of the difference is _____.

2. Estimate the difference of $790 - 674$.



$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

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

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 

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

| | |
|--------|-----|
| Greg | 494 |
| Sam | 691 |
| Trevor | ? |

$$494 < \underline{\hspace{2cm}} < 691$$

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

Name _____

Equal Groups of 2

Complete the sentence to show how many in all.



_____ groups of _____ is _____ in all.



_____ groups of _____ is _____ in all.



_____ groups of _____ is _____ in all.



_____ groups of _____ is _____ in all.

PROBLEM SOLVING

REAL WORLD

Solve. Write or draw to explain.

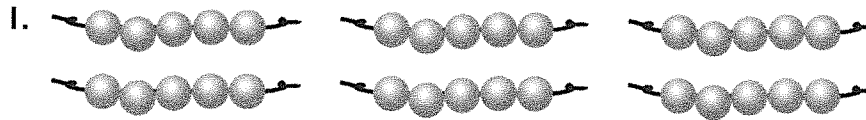
5. Paula puts 2 stuffed animals on each shelf. She has 5 shelves. How many stuffed animals does she put on her shelves?

_____ stuffed animals

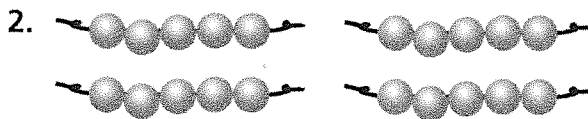
Name _____

Equal Groups of 5

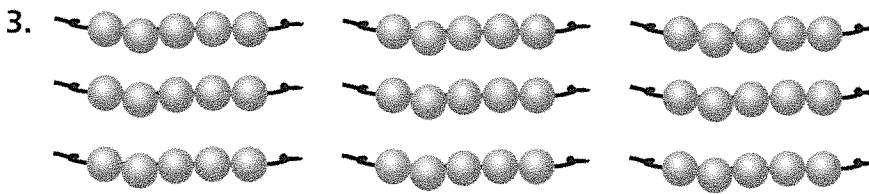
Complete the sentence to show how many in all.



_____ groups of _____ is _____ in all.



_____ groups of _____ is _____ in all.



_____ groups of _____ is _____ in all.



_____ groups of _____ is _____ in all.

PROBLEM SOLVING REAL WORLD

Solve. Write or draw to explain.

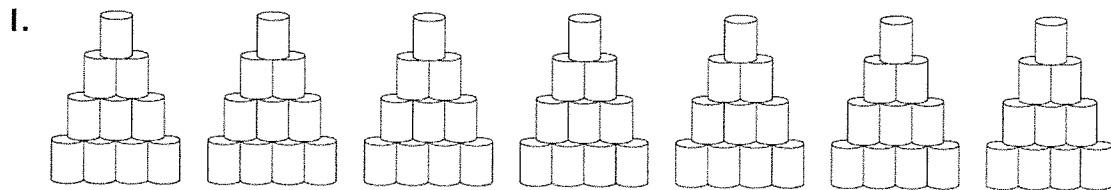
5. Mr. Peters buys markers in boxes of 5. He buys 5 boxes. How many markers does Mr. Peters buy?

_____ markers

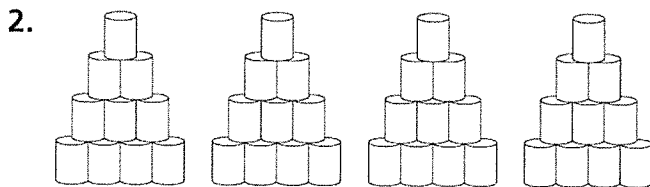
Name _____

Equal Groups of 10

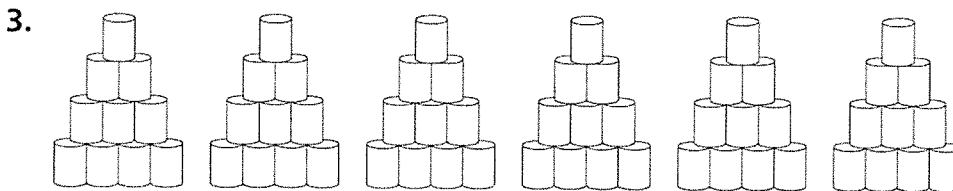
Complete the sentence to show how many in all.



_____ groups of _____ is _____ in all.



_____ groups of _____ is _____ in all.



_____ 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

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 

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

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

Solve. Draw to show your work.

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

_____ vases

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

Solve. Draw to show your work.

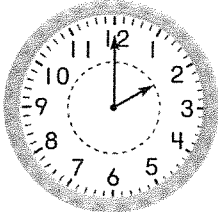
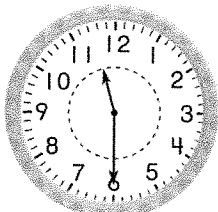
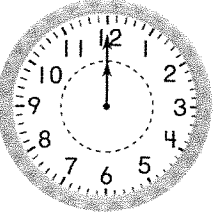
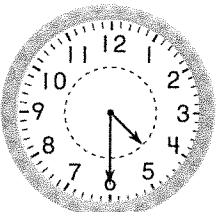
3. Each player has 5 game cards. How many game cards do 3 players have?

_____ game cards

Name _____

Hour Before and Hour After

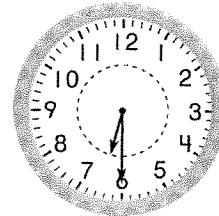
Write the time shown on the clock .
Then write the time 1 hour before and 1 hour after.

| | | | |
|--|---|---|---|
| 1.  _____ | _____ 1 hour before _____ 1 hour after | 2.  _____ | _____ 1 hour before _____ 1 hour after |
| 3.  _____ | _____ 1 hour before _____ 1 hour after | 4.  _____ | _____ 1 hour before _____ 1 hour after |

PROBLEM SOLVING



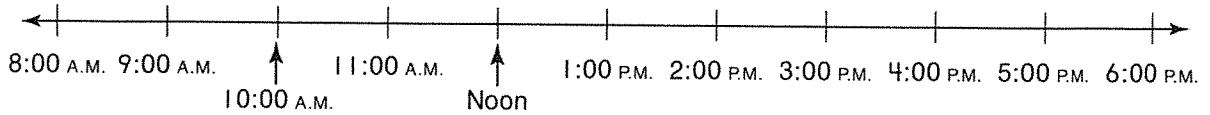
5. Wes needs to walk the dog 1 hour after the time on the clock. When does Wes need to walk the dog?



Wes needs to walk the dog at _____.

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

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

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.



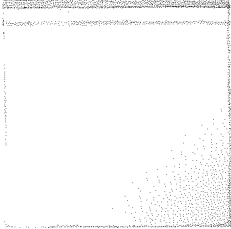
| Train Arrival Times |
|---------------------|
| 1:30 P.M. |
| 2:45 P.M. |
| 4:30 P.M. |

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

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



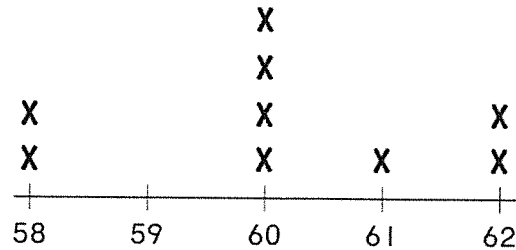
Solve.

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

Name _____

Describe Measurement Data



Lengths of the Cafeteria Tables in Inches

Use the line plot to answer the questions.

- | | |
|---|--|
| <p>1. How many tables are 62 inches long?</p> <p style="text-align: center;">_____ tables</p> | <p>2. What is the difference in inches between the lengths of the shortest and longest tables?</p> <p style="text-align: center;">_____ inches</p> |
|---|--|

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

3. Question _____

Answer _____

4. Question _____

Answer _____

© Houghton Mifflin Harcourt Publishing Company

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

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

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

Compare Fraction ModelsColor to show the fractions. Write $<$, $=$, or $>$.

1.

| | | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 half | half | half | | | | | | | |
| 1 eighth | 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.