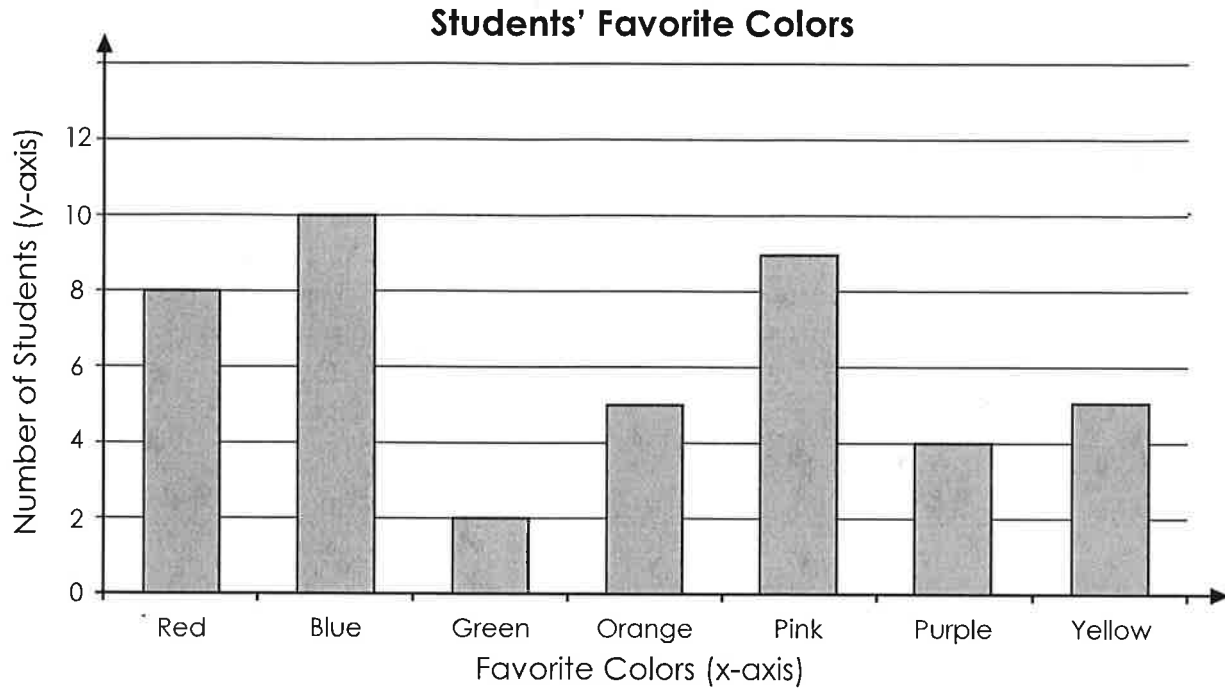


Name: _____

Favorite Color Bar Graph

The three third grade classes at Elm Tree Elementary School took a vote of their favorite colors and graphed the results. Use the graph to answer the questions.



- How many students chose blue as their favorite color? 1. _____
- How many more students chose red than green? 2. _____
- How many more students voted for pink than purple? 3. _____
- Which two colors had the same number of votes? 4. _____
- How many students chose either pink or purple? 5. _____
- If three more students voted for green, how many votes would green have? 6. _____
- If two less students voted for green, how many votes would green have? 7. _____
- List the colors in order, from most votes to least votes.

Name: _____

Lemonade Stand Picture Graph

Doreen was having a lemonade stand in her front yard. The picture graph below shows how much she earned.

Lemonade Stand Profits

<i>Day</i>	<i>Money Earned</i>						
Friday	\$	\$	\$	\$	\$		
Saturday	\$	\$	\$	\$	\$	\$	\$
Sunday	\$	\$	\$				
Monday	\$	\$					

\$ = five dollars

1. How much money did Doreen earn on Friday? 1. _____
2. How much did she earn on Sunday? 2. _____
3. How much money did she earn on Saturday and Sunday? 3. _____
4. How much more did Doreen earn on Saturday than Friday? 4. _____
5. On which day did Doreen earn the least money? 5. _____
6. Which day did Doreen earn the most money? 6. _____
7. How much more did Doreen earn on Saturday than Monday? 7. _____

3. Does the number sentence have the same difference as $15 - 8 = \blacksquare$? Choose Yes or No.

$10 - 1 = \blacksquare$

Yes

No

$10 - 2 = \blacksquare$

Yes

No

$10 - 3 = \blacksquare$

Yes

No

$10 - 4 = \blacksquare$

Yes

No

5. Write the time that is shown on this clock.



_____ : _____

1. Marta pays \$1.80 for a snack.

Fill in the bubble next to all the ways that show \$1.80.

one \$1 bill, 2 quarters, and 3 dimes

one \$1 bill, 3 quarters, and 1 nickel

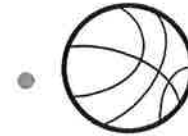
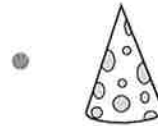
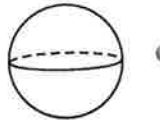
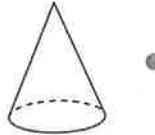
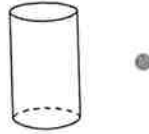
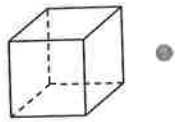
5 quarters and 3 dimes

7 quarters and 1 nickel

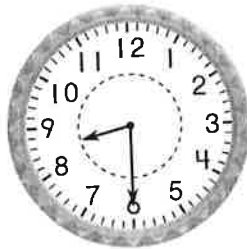
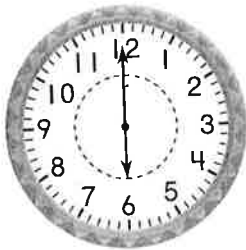
1. Kate sees 4 white dogs, 9 brown dogs, and 3 black dogs at the park. How many dogs does she see at the park?

_____ dogs

1. Match the shapes.



9. Write the times the clocks show.



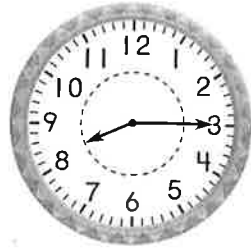
6. It's 154 days until Jeff's birthday. Write the number of days in words.

Show the number in two other ways.

Hundreds	Tens	Ones

_____ + _____ + _____

2. The clock shows the time Sarah starts getting ready for bed. Write the time. Circle a.m. or p.m.



a.m.

p.m.

Tell how you knew whether to select a.m. or p.m.

4. Hector makes two sandwiches that are the same size. He cuts each sandwich into thirds. What are two different ways he can cut the sandwiches? Draw to show your answer.



-
9. Do the numbers show counting by fives?
Choose Yes or No.

25, 30, 35, 40, 45

Yes

No

13, 15, 17, 19, 21

Yes

No

50, 60, 70, 80, 90

Yes

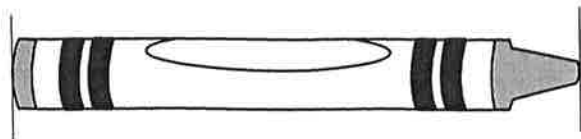
No

70, 75, 80, 85, 90

Yes

No

8. Use an inch ruler. What is the length of the crayon to the nearest inch?



_____ inches

-
3. Does the group of coins have a total value of 75¢?
Choose Yes or No.

3 quarters

Yes

No

1 quarter, 2 dimes, and 3 nickels

Yes

No

6 dimes, 2 nickels, and 5 pennies

Yes

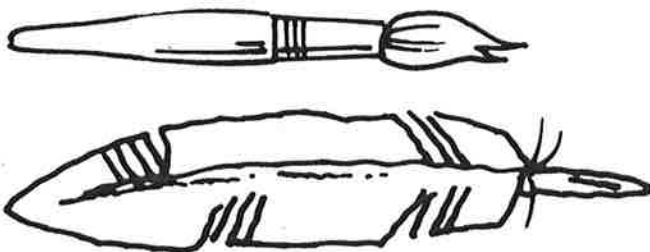
No

10 nickels and 25 pennies

Yes

No

2. The paintbrush is about 7 centimeters long.
Gavin says the feather is about 8 centimeters long.
Ray says the feather is about 5 centimeters long.



Which boy has the better estimate? Explain.

3. Eric reads 19 pages of his book on Monday. He reads 41 pages on Tuesday. How many pages does he read?

Choose all the number sentences that show the problem. Then solve.

$$\begin{array}{r} 41 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ - 19 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 41 \\ \hline \end{array}$$

Eric reads _____ pages.

Describe how you solved the problem.

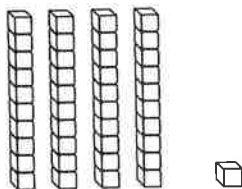
4. Antoine gave Fran these coins. Antoine says he gave Fran \$1.00. Is Antoine correct? Explain.



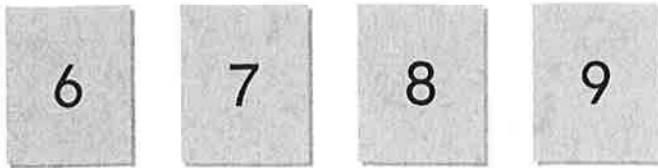
8. Paul makes a hexagon and a triangle with straws. He uses one straw for each side of a shape. How many straws does Paul need?

_____ straws

3. What is the value of the digit 1 in the number 41?



10. Use the numbers on the tiles to write the differences.
Then write the next fact in the pattern.



$11 - 3 = \underline{\quad}$

$10 - 3 = \underline{\quad}$

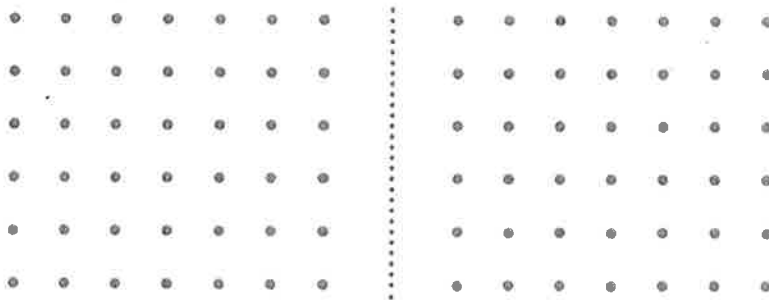
$11 - 4 = \underline{\quad}$

$11 - 3 = \underline{\quad}$

$11 - 5 = \underline{\quad}$

$12 - 3 = \underline{\quad}$

-
9. Mason drew 2 two-dimensional shapes that had 8 angles in all. Draw the shapes Mason could have drawn.



-
4. Write the next number in each counting pattern.

338, 348, 358, 368,

472, 572, 672, 772,

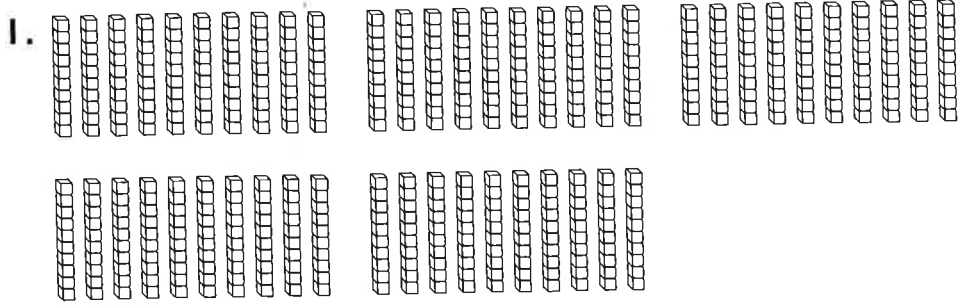
-
5. Is the comparison true? Choose Yes or No.

$343 < 328$ Yes No

$705 > 699$ Yes No

$691 > 706$ Yes No

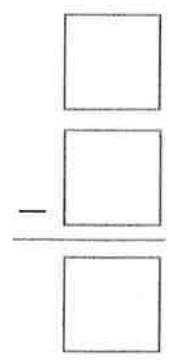
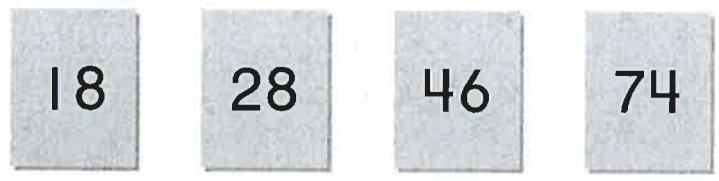
$115 < 120$ Yes No



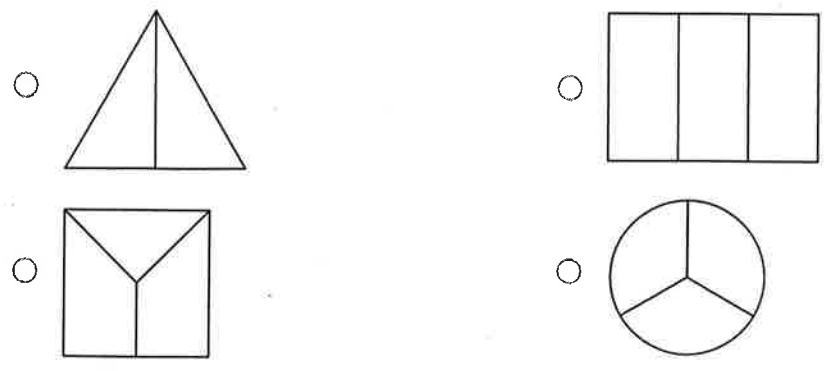
Do the choices show a way to represent the blocks? Choose Yes or No.

- | | | |
|-------------|---------------------------|--------------------------|
| 50 hundreds | <input type="radio"/> Yes | <input type="radio"/> No |
| 50 tens | <input type="radio"/> Yes | <input type="radio"/> No |
| 5 hundreds | <input type="radio"/> Yes | <input type="radio"/> No |
| 5 tens | <input type="radio"/> Yes | <input type="radio"/> No |

6. What is $46 - 28$? Use the numbers on the tiles to rewrite the subtraction problem. Then find the difference.



10. Fill in the bubble next to the shapes that show thirds.



11. Olivia sees 16 crabs at the beach. Then she sees 7 more. Choose all the ways you can use to find how many crabs Olivia sees.

$16 - 7$

$16 + 7$

$16 + 4 + 3$

12. Ben has 37 pennies. Rachel has 22 pennies.
How many pennies do they have?

_____ pennies

8. On four days of this week, Madelyn practiced her violin 43 minutes, 32 minutes, 16 minutes, and 25 minutes.

Write a number sentence to show the number of minutes Madelyn practiced her violin.

1. Do you need to regroup to subtract?
Choose Yes or No.

$55 - 26$

Yes

No

$39 - 18$

Yes

No

$30 - 19$

Yes

No

$73 - 63$

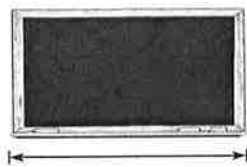
Yes

No

9. George collected 36 oak leaves. He collected 41 maples leaves. Show how you can break apart the addends to show how many leaves George collected.

$$\begin{array}{r}
 36 \longrightarrow \quad \underline{\quad\quad} + \underline{\quad\quad} \\
 + 41 \longrightarrow \quad \underline{\quad\quad} + \underline{\quad\quad} \\
 \hline
 \underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}
 \end{array}$$

1. Owen wants to measure the length of a chalkboard.



Circle the best choice of tool.

tiles inch ruler yardstick

Explain your choice of tool.

Regroup if you need to. Write the difference

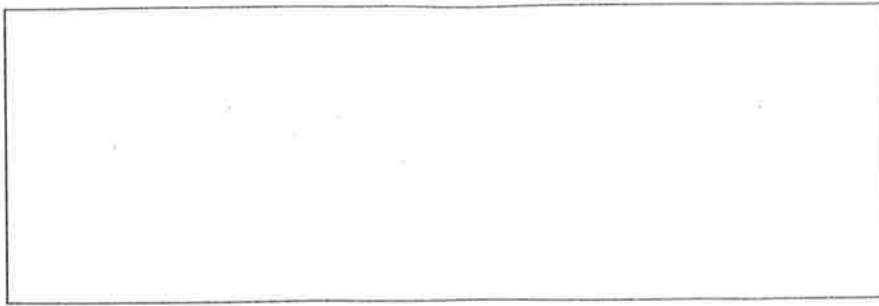
8.

	Tens	Ones
	<input type="text"/>	<input type="text"/>
	4	6
—	1	9
	<input type="text"/>	<input type="text"/>

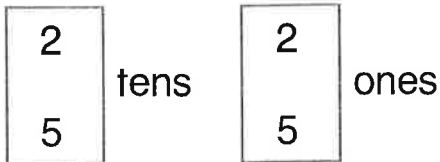
9.

	Tens	Ones
	<input type="text"/>	<input type="text"/>
	7	5
—	2	5
	<input type="text"/>	<input type="text"/>

7. Draw a picture to show the number 52.



Describe the number 52 in two ways.



_____ + _____

10. Find the difference.

$$\begin{array}{r} 70 \\ - 38 \\ \hline \end{array}$$

Fill in the bubble next to one number from each column to show the difference.

Tens	Ones
<input type="radio"/> 2	<input type="radio"/> 2
<input type="radio"/> 3	<input type="radio"/> 3
<input type="radio"/> 4	<input type="radio"/> 4

7. A farmer has 305 sheep. She moves 263 sheep into a field. How many sheep are left?

Does the sentence describe how to find the answer? Choose Yes or No.

Regroup 1 hundred as 10 tens. Yes No

Regroup 1 ten as 10 ones. Yes No

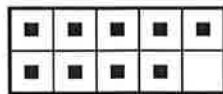
Subtract 6 tens from 10 tens. Yes No

There are _____ sheep left.

12. John has 16 rocks. He gives 7 rocks to his cousin. How many rocks does John have now? Write a number sentence for the problem. Use \blacksquare for the missing number. Then solve.

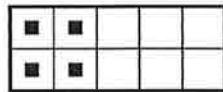
_____ rocks

1. Does the ten frame show an even number? Choose Yes or No.



Yes

No



Yes

No

8. Measure the length of the rope to the nearest centimeter. Circle the number in the box that makes the sentence true.



The rope is about _____ centimeters long.

12

13

15

9. There are 497 children at the festival. 288 of the children are girls. How many of the children are boys?

785

219

109

209

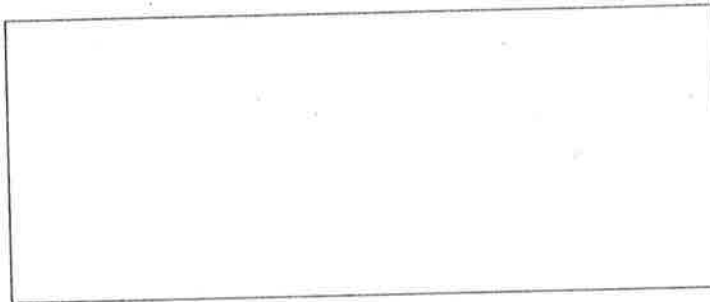
13. A boat can hold 45 people. 27 more people can fit on the boat. How many people are on the boat now?

Write a number sentence for the problem. Use a \blacksquare for the missing number. Then solve.

There are _____ people on the boat.

12. Subtract 18 from 35. Draw to show the regrouping. Fill in the bubbles next to all the ways to write the difference.

- 7 tens 1 one
- 17
- 1 ten 7 ones
- 71



3. A bird watcher counted 163 white birds and 185 black birds. How many birds did she count?

$$\begin{array}{r} 163 \\ + 185 \\ \hline \end{array} \longrightarrow \begin{array}{r} 100 + 60 + 3 \\ + 100 + 80 + 5 \\ \hline \end{array}$$

Select one number from each column to solve the problem.

Hundreds	Ten	Ones
<input type="radio"/> 2	<input type="radio"/> 4	<input type="radio"/> 6
<input type="radio"/> 3	<input type="radio"/> 5	<input type="radio"/> 7
<input type="radio"/> 4	<input type="radio"/> 6	<input type="radio"/> 8

4. Mary has an even number of shells and an odd number of rocks. Choose all the groups of shells and rocks that could belong to Mary.

- 4 shells and 8 rocks
- 8 shells and 3 rocks
- 9 shells and 6 rocks
- 4 shells and 7 rocks

8. A store sells 2 boxes of 100 pencils and some single pencils. Choose all the numbers that show how many pencils the store could sell.

- 219
- 206
- 120
- 182

3. Use an inch ruler. What is the length of the string to the nearest inch?



Circle the number in the box to make the sentence true.

The string is

2
3
4

 inches long.

9. There are 9 oranges in a bag. Mr. Johnson puts 4 more oranges in the bag. Complete the addition sentence to find how many oranges are in the bag now.

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

 oranges

2. Do the sentences describe a rectangular prism? Choose Yes or No.

A rectangular prism has 6 faces. Yes No

Each face of a rectangular prism is a square. Yes No

A rectangular prism has 16 vertices. Yes No

A rectangular prism has 12 edges. Yes No

Rewrite each sentence that is not true to make it a true sentence.

11. Andy is thinking of a number that has a digit less than 5 in the tens place. It has a digit greater than 7 in the ones place. Could the number be Andy's number? Choose Yes or No.

$70 + 8$ Yes No

forty-nine Yes No

2 tens 8 ones Yes No

Write another number Andy could be thinking of.

6. Use the words on the tiles to make the sentence true.

The boy is 40 _____ tall.

inches

feet

The car is 12 _____ long.

The driveway is 35 _____ long.

5. Jen starts at 280 and counts by tens.

What are the next 6 numbers Jen will say?

280, _____, _____, _____, _____, _____, _____

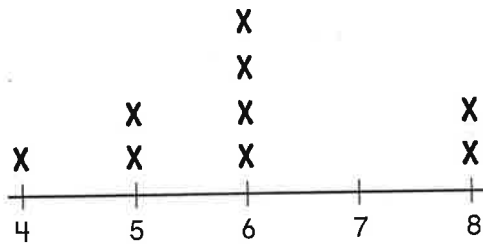
3. A store has 263 board games. It has 100 fewer puzzles than board games. The store has 10 more action figures than puzzles. Write the number of each.

_____ board games

_____ puzzles

_____ action figures

5. Drew made a line plot to show the lengths of his toy boats.



Lengths of Toy Boats in Inches

How many boats are shown in the line plot?

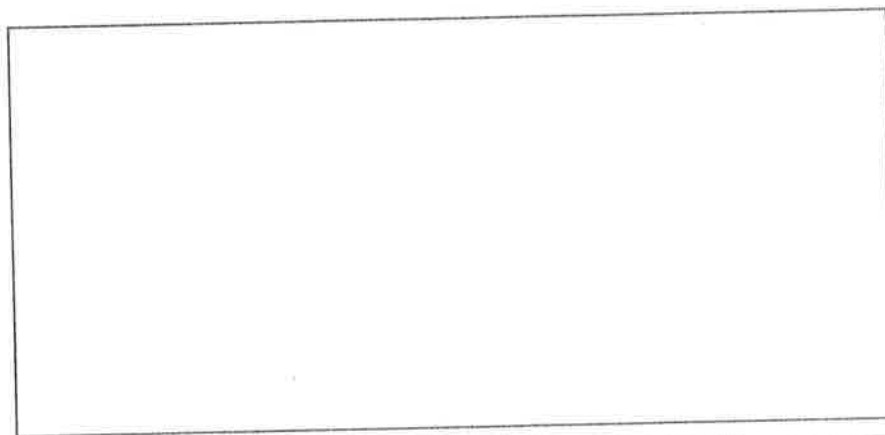
The line plot shows _____ toy boats.

How many boats are 5 inches long?

_____ boats

11. Alfredo buys a baseball card for 65¢.

Draw and label coins to show a total value of 65¢.



12. Terry has 164 marbles.

Write the number in words.

2. Sonya has 140 beads. How many bags of 10 beads does she need so that she will have 200 beads in all?

_____ bags of beads

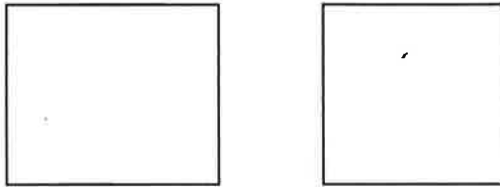
2. Mandy has 26 baseball cards, 42 football cards, and 38 basketball cards. How many cards does she have?

Mandy has

68
80
106

 cards.

3. Draw lines to show fourths.



Explain how you know that the parts are fourths.

7. James paid for a drink with this money.



Circle the amount to complete the sentence.

James paid a total of

\$1.41
\$1.46
\$1.61

 for the drink.

4. Lilah counts 44 birds at the park. She counts 38 birds in her yard. Draw a picture or write to explain how to find the number of birds Lilah sees.



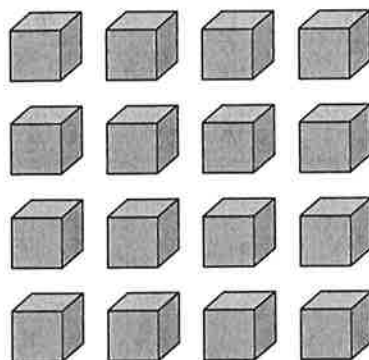
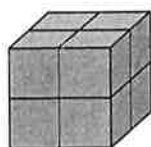
Lilah counts _____ birds.

-
11. Choose all the numbers that have the digit 8 in the tens place.

- 148
- 387
- 836
- 881

-
6. Leon says he can find the sum of $30 + 67$ without rewriting it. Explain how you can solve this problem using mental math.

-
7. Alex built this rectangular prism. Circle the number of unit cubes Alex used.



11. Tricia has 12 pencils to share equally with her classmate. Draw a picture to show how Tricia can share her pencils.



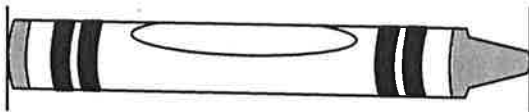
How many pencils will Tricia keep?

_____ pencils

6. Measure the length of each object. Does the sentence describe the objects? Choose Yes or No.



_____ centimeters



_____ centimeters

The yarn is 3 centimeters longer than the crayon. Yes No

The crayon is 7 centimeters shorter than the yarn. Yes No

The total length of the yarn and the crayon is 17 centimeters. Yes No

14. Draw a quick picture to solve. Write the difference.

Tens	Ones
□	□
8	1
5	6
—	—
□	□

Tens	Ones

Explain what you did to find the difference.

7. Mia buys 79 marbles.



Which two bags does she buy?

Explain how you made your choices.

8. Dan has a favorite number.

His number has the digit 8 in
the ones place and the digit 5
in the tens place. What is
Dan's favorite number?

2. At the store, there are 863 rocks and shells.

There are 121 rocks. How many shells are there?

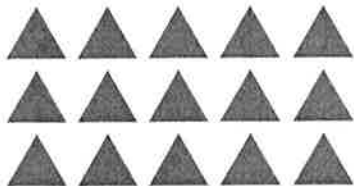
Circle the number that makes the sentence true.

There are

642
732
742

 shells.

5. Find the number of shapes in each row.



3 rows of _____

Complete the addition sentence to find the total.

_____ + _____ + _____ = _____

- I. Sydney's class collected 368 cans for recycling. Ramon's class collected 291 cans. How many more cans did Sydney's class collect than Ramon's class?

_____ more cans

6. A store sells 154 DVDs and 88 CDs. How many more DVDs does the store have than CDs?

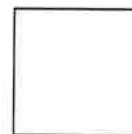
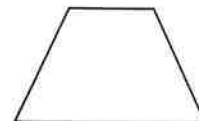
Fill in the bubble next to all the sentences that describe what you would do to solve the problem.

- I would add.
- I would regroup the hundreds.
- I would subtract.
- I would subtract 4 ones from 8 ones.

GO ON 

- II. Draw each shape where it belongs in the chart.

Shapes with fewer than 5 angles	Shapes with more than 4 Angles



11. A store sells 34 shirts. 7 shirts are blue. The rest of the shirts are white. How many white shirts does the store sell?

17

21

27

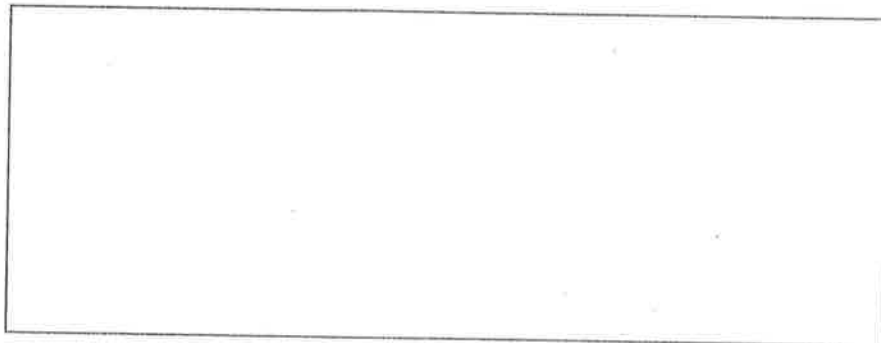
41

10. Use the numbers on the tiles to solve the problem.

3	5	7
2	9	9
+ 2	3	
		6

Describe how you solved the problem.

6. Max and his sister each have 4 playing cards. Draw a picture to show the groups of cards.



How many playing cards do they have?

_____ playing cards