

Yeshiva of Central Queens

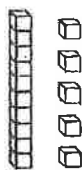
summer
BREAK
HOMEWORK

**INCOMING
3RD GRADE**

NAME: _____

Name _____

1. Look at the model of 15.



Write how many tens and ones are in the model.

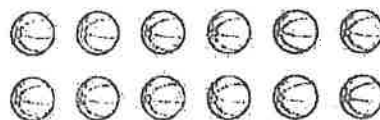
_____ ten _____ ones

2. Write how many tens and ones are in 12.

_____ ten _____ ones

3. Draw tens and ones to show 13.

4. Circle a group of ten to show 1 ten and some ones.



5. Write how many tens are the same as 10 ones.



10 ones = _____ ten

6. Compare using $<$, $>$, or $=$.

12  15



Name _____

7. Subtract.

$$15 - 8 = \underline{\hspace{2cm}}$$

8. Add.

$$8 + 2 + 6 = \underline{\hspace{2cm}}$$

9. Subtract.

$$18 - 9 = \underline{\hspace{2cm}}$$

10. Add.

$$6 + 4 + 7 = \underline{\hspace{2cm}}$$

11. If $5 + 6 = 11$, then

$$11 - \underline{\hspace{2cm}} = 6.$$

12. If $17 - 9 = 8$, then

$$\underline{\hspace{2cm}} + 9 = 17.$$

GO ON 

Name _____

13.

$$8 + 7 = \underline{\hspace{2cm}}$$

is the same as

$$7 + \underline{\hspace{2cm}} + 1 = \underline{\hspace{2cm}}$$

14.

$$3 + 4 = \underline{\hspace{2cm}}$$

is the same as

$$3 + \underline{\hspace{2cm}} + 1 = \underline{\hspace{2cm}}$$

15. Add.

$$9 + 1 + 7 = \underline{\hspace{2cm}}$$

16. $12 - 4 =$ 

is the same as

$$12 - \underline{\hspace{2cm}} - 2 =$$
 

So, $12 - 4 = \underline{\hspace{2cm}}$.

17. Subtract.

$$60 - 50 = \underline{\hspace{2cm}}$$

18. If $3 + 4 + 6 = 13$, then

$$3 + \underline{\hspace{2cm}} = 13.$$

GO ON 

Name _____

19. Add.

$$\begin{array}{r} 66 \\ + 9 \\ \hline \square \end{array}$$

20. Add.

$$68 + 20 = \underline{\hspace{2cm}}$$

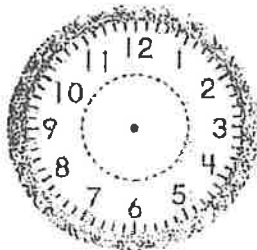
21. Write the time.



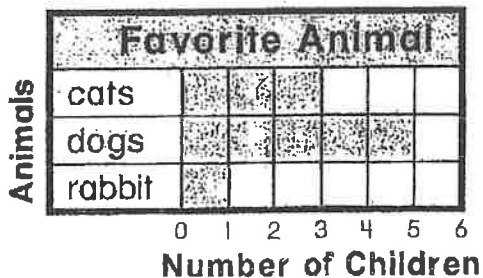
22. Write the time.



23. Draw hands to show 3:30 on the clock.



24. Use the bar graph.



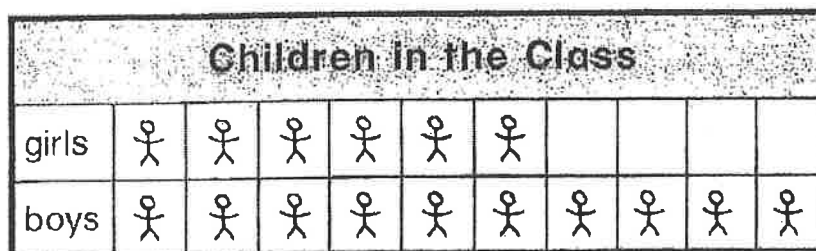
How many children chose dogs?

_____ children



Name _____

Use the picture graph for questions 25–26.



Each  stands for 1 child.

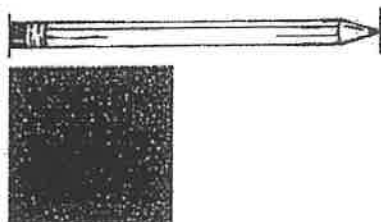
25. How many children are in the class?

_____ children

26. How many fewer girls are there than boys?

_____ fewer girls

27. Use . About how long is the pencil?



about _____  long

28. Use . Draw a line that is about 3  long.

29. Draw three lines in order from **longest** to **shortest**.

longest	
shortest	

GO ON 

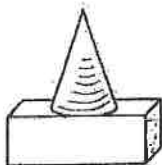
Name _____

30. A pencil is longer than a marker.
The marker is longer than a crayon.

Write **shorter** or **longer** to finish the sentence.

The pencil is _____ than the crayon.

31. Combine  and .
Circle the new shape you can make.

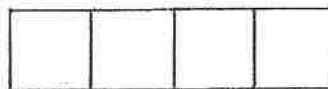


32. Use pattern blocks.
Draw to show the blocks.

How many  make a
 ?

 make a .

33. Write the number of
equal shares.



_____ equal shares



Name _____

Choose the correct answer.

1. Which shows a related addition fact?

$$15 - 8 = 7$$

- ☐ $15 + 7 = 22$
- ☐ $8 - 7 = 1$
- ☐ $7 + 8 = 15$
- ☐ $23 - 8 = 15$

2. There are 9 bugs on the grass and 5 bugs on a leaf. Which number sentence shows how many bugs there are in all?

- ☐ $10 + 5 = 15$
- ☐ $9 + 5 = 14$
- ☐ $9 - 5 = 4$
- ☐ $5 + 4 = 9$

3. Gina has 4 green trains, 2 red trains, and 6 yellow trains. How many trains does Gina have in all?

- ☐ 6
- ☐ 8
- ☐ 10
- ☐ 12

4. There are 725 students in the school. There are 343 boys. How many girls are there?

Hundreds	Tens	Ones
7	2	5
— 3	4	3

- ☐ 382
- ☐ 428
- ☐ 422
- ☐ 482

GO ON 

Name _____

5. What is the sum?

$$\begin{array}{r} 378 \\ + 215 \\ \hline \end{array}$$

☐ 163

☐ 593

☐ 583

☐ 693

6. What is the difference?

$$\begin{array}{r} 402 \\ - 173 \\ \hline \end{array}$$

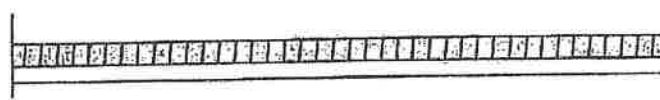
☐ 339

☐ 329

☐ 331

☐ 229

7. Use an inch ruler. What is the length of the ribbon to the nearest inch?



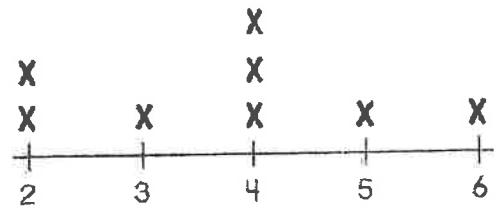
☐ 8 inches

☐ 4 inches

☐ 6 inches

☐ 2 inches

8. Use the line plot.



Length of Toy Cars in Inches

☐ 1

☐ 2

☐ 3

☐ 4

GO ON 

Name _____

9. Which is the **best** estimate of the length of a baseball bat?



- ☐ 2 feet
- ☐ 6 feet
- ☐ 8 feet
- ☐ 10 feet

10. Fred wants to measure the distance around a ball. Which is the **best** tool for Fred to use?



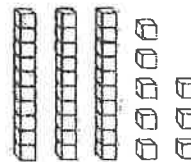
- ☐ counters
- ☐ cup
- ☐ measuring tape
- ☐ pencil

11. Ms. Angeles writes an odd number on the board. Which could be the number that Ms. Angeles writes?

- ☐ 3
- ☐ 4
- ☐ 6
- ☐ 8

12. What is the value of the underlined digit?

38



- | | |
|-------------------------|--------------------------|
| ☐ 3 | ☐ 30 |
| ☐ 8 | ☐ 80 |

GO ON 

Name _____

13. Which shows another way to write the number?

57

- ☐ 7 tens 5 ones
- ☐ fifty-seven
- ☐ $5 + 7$
- ☐ $5 + 70$

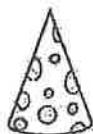
14. Which group of numbers shows counting by hundreds?

- ☐ 300, 310, 320, 330
- ☐ 400, 401, 402, 403
- ☐ 500, 600, 700, 800
- ☐ 600, 605, 610, 615

15. Which object is shaped like a cylinder?



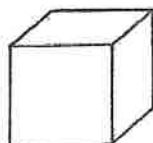
☐



☐



☐



☐

16. Which names a shape with 4 sides and 4 vertices?



- ☐ triangle
- ☐ quadrilateral
- ☐ pentagon
- ☐ hexagon

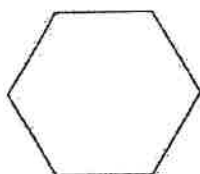
GO ON 

Name _____

17. Which of these shapes has **fewer** than 4 angles?



☐



☐

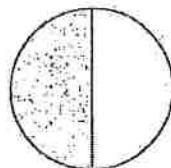


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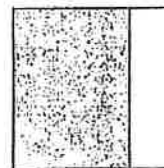


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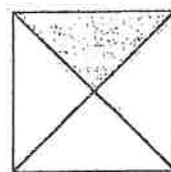
18. Which shows a half of the shape shaded?



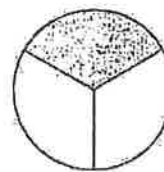
☐



☐



☐



☐

19. A store sold 21 green rings and 38 red rings. Which number sentence tells how many rings the store sold?

☐ $38 - 21 = 17$

☐ $38 + 0 = 38$

☐ $21 + 38 = 59$

☐ $12 + 38 = 50$

20. What is the sum?

$$\begin{array}{r} 24 \\ 15 \\ + 36 \\ \hline \end{array}$$

☐ 75

☐ 65

☐ 51

☐ 39



Name _____

21. What is the sum?

$$64 + 9 = \boxed{}$$

☐ 75

☐ 63

☐ 73

☐ 55

22. What is the sum?

$$\begin{array}{r} 75 \\ + 15 \\ \hline \end{array}$$

☐ 60

☐ 85

☐ 80

☐ 90

Use the picture graph for Questions 23–24.

Favorite Color					
blue					
green					
red					

Key: Each  stands for 1 child.

23. How many children in all picked a favorite color?

☐ 3

☐ 7

☐ 5

☐ 10

24. 2 more children choose green.

How many  should be in the green row now?

☐ 7

☐ 4

☐ 5

☐ 3

GO ON 

Name _____

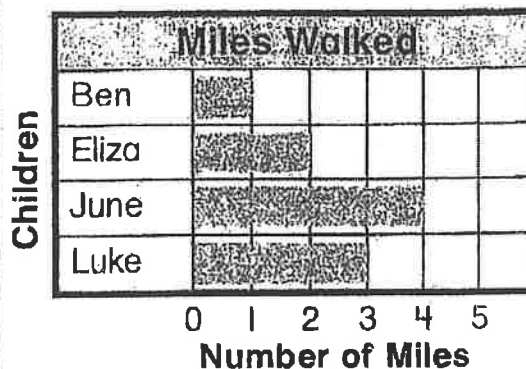
25. Ian made a tally chart of the flowers he planted.

Flowers Planted	
Flower	Tally
roses	
daisies	
tulips	

How many tulips did Ian plant?

- ☐ 4 ☐ 6
☐ 5 ☐ 8

26. Use the bar graph.



Who walked the **fewest** number of miles?

- ☐ Ben ☐ June
☐ Eliza ☐ Luke

27. Which number has the digit 4 in the hundreds place?

- ☐ 42
☐ 140
☐ 453
☐ 964

28. Which shows another way to write the number?

five hundred thirty-seven

- ☐ $5 + 3 + 7$
☐ $50 + 37$
☐ $50 + 30 + 7$
☐ $500 + 30 + 7$

GO ON

Name _____

29. Look at the pattern. What number comes next?

126, 136, 146, 156, 

- ☐ 157 ☐ 178
☐ 166 ☐ 256

30. Which of the following is **true**?

- ☐ $325 > 318$
☐ $390 = 309$
☐ $476 < 267$
☐ $510 > 723$

31. What is the total value of the coins?



26¢
☐

36¢
☐

41¢
☐

66¢
☐

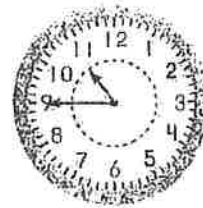
32. Lara wants to buy a marker that costs one dollar.
Which coins have a total value of one dollar?

- ☐ 100 dimes
☐ 100 pennies
☐ 10 pennies
☐ 10 nickels

GO ON 

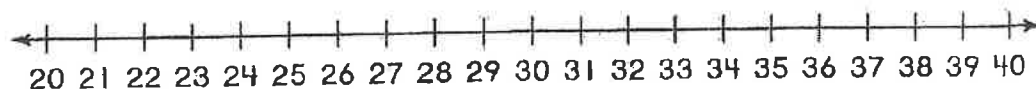
Name _____

33. Jason went on a morning run
at the time shown on the clock.
At what time did Jason go for his run?



- ☐ 10:45 a.m. ☐ 10:45 p.m. ☐ 9:55 a.m. ☐ 9:55 p.m.

34. Break apart the ones to subtract. What is the difference?



$$33 - 6 = \underline{\hspace{2cm}}$$

- ☐ 30 ☐ 29 ☐ 28 ☐ 27

35. Rita had 37 pencils. She gave
away 14 pencils. Which number
sentence can be used to find
how many pencils Rita has now?

- ☐ $23 - \square = 14$
☐ $30 + \square = 37$
☐ $37 - 14 = \square$
☐ $37 + 14 = \square$

36. Steven picks 22 berries. He
picks 18 more berries. Then
he eats 13 berries. How many
berries does Steven have now?

- ☐ 5
☐ 27
☐ 37
☐ 40

GO ON 

Name _____

37. What is the difference?

$$\begin{array}{r} 93 \\ - 27 \\ \hline \end{array}$$

☐ 76

☐ 66

☐ 74

☐ 64

38. Which statement is **true**?

☐ 1 centimeter is longer than 1 meter.

☐ 1 meter is longer than 1 centimeter.

☐ 1 meter is shorter than 1 centimeter.

☐ 1 meter is the same as 1 centimeter.

39. Use a centimeter ruler. Which is the **best** choice for the length of this spoon?



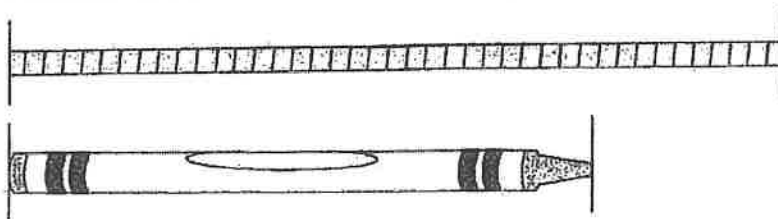
☐ 14 centimeters

☐ 10 centimeters

☐ 12 centimeters

☐ 8 centimeters

40. Use a centimeter ruler. Measure the length of each object.



How much longer is the ribbon than the crayon?

☐ 21 centimeters longer

☐ 9 centimeters longer

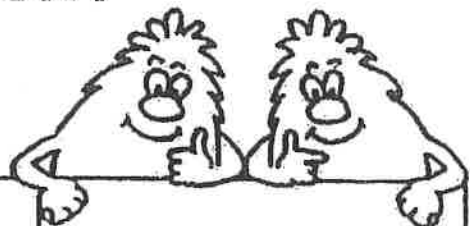
☐ 12 centimeters longer

☐ 3 centimeters longer



Can You Match?

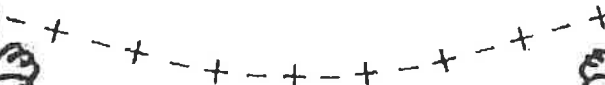
Match:



$6 + 6$ 13 $5 + 6$ 12 $6 + 7$ 11	$12 - 3$ 7 $12 - 5$ 8 $12 - 4$ 9	$8 + 4$ 11 $9 + 2$ 12 $8 + 5$ 13
$11 - 3$ 6 $11 - 5$ 7 $11 - 4$ 8	$8 + 3$ 13 $9 + 3$ 12 $9 + 4$ 11	$11 - 6$ 3 $11 - 8$ 4 $11 - 7$ 5
$11 - 11$ 1 $11 - 10$ 2 $11 - 9$ 0	$7 + 4$ 11 $7 + 6$ 12 $7 + 5$ 13	$6 + 5$ 13 $6 + 6$ 12 $6 + 7$ 11
	$12 - 3$ 7 $12 - 4$ 8 $12 - 5$ 9	$12 - 6$ 5 $12 - 7$ 4 $12 - 8$ 6

Match and Check

Match:



$6 + 9$	13	$13 - 4$	7	$14 - 5$	8
$6 + 8$	15	$13 - 6$	8	$14 - 6$	9
$4 + 9$	14	$13 - 5$	9	$14 - 7$	7
$7 + 8$	15	$13 - 7$	5	$9 + 6$	13
$9 + 5$	14	$13 - 9$	6	$8 + 6$	14
$8 + 5$	13	$13 - 8$	4	$9 + 4$	15
$14 - 10$	5	$8 + 7$	13	$15 - 6$	7
$14 - 9$	6	$5 + 9$	14	$15 - 7$	8
$14 - 8$	4	$5 + 8$	15	$15 - 8$	9
$10 + 5$	13	$15 - 15$	5		
$7 + 7$	14	$15 - 10$	6		
$6 + 7$	15	$15 - 9$	0		

15 minus
nine...



Name _____

Add Three Numbers

P 14-5
PRACTICE

Add.

1.	$\begin{array}{r} 23 \\ 14 \\ + 29 \\ \hline 66 \end{array}$	$\begin{array}{r} 41 \\ 32 \\ + 16 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ 18 \\ + 25 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ 24 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 25 \\ 37 \\ + 14 \\ \hline \end{array}$
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2.	$\begin{array}{r} 8 \\ 20 \\ + 13 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ 28 \\ + 32 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ 13 \\ + 14 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ 63 \\ + 24 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ 16 \\ + 34 \\ \hline \end{array}$
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3.	$\begin{array}{r} 14 \\ 18 \\ + 14 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ 20 \\ + 11 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ 16 \\ + 22 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ 68 \\ + 12 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ 3 \\ + 25 \\ \hline \end{array}$
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4.	$\begin{array}{r} 21 \\ 18 \\ + 21 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ 13 \\ + 27 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ 45 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ 11 \\ + 23 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ 15 \\ + 22 \\ \hline \end{array}$
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Problem Solving

Solve.

5. There are 34 children in first grade. There are 27 in second grade. There are 31 in third grade. How many children are there in all?

_____ children

Show Your Work

Stepping Out

vertical and horizontal

A. $\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 8 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ - 4 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$

B. $\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$

C. $\begin{array}{r} 12 \\ - 8 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 4 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 0 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$

D. $\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ - 5 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ - 2 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 1 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ - 0 \\ \hline \end{array}$

E. $\begin{array}{r} 9 \\ - 9 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ - 5 \\ \hline \end{array}$

F. $10 - 8 = \underline{\quad}$ $8 - 2 = \underline{\quad}$ $7 - 4 = \underline{\quad}$ $10 - 3 = \underline{\quad}$

G. $12 - 4 = \underline{\quad}$ $11 - 7 = \underline{\quad}$ $12 - 3 = \underline{\quad}$ $11 - 9 = \underline{\quad}$

H. $11 - 6 = \underline{\quad}$ $10 - 9 = \underline{\quad}$ $11 - 3 = \underline{\quad}$ $12 - 6 = \underline{\quad}$

I. $12 - 9 = \underline{\quad}$ $11 - 8 = \underline{\quad}$ $10 - 1 = \underline{\quad}$



Name _____

Count Forward, Count Backward



Count forward or backward by ones.

Count forward by ones.

Count backward by ones.

1. 439, 440, 441

394, 393, 392

2. 924, _____, _____

182, _____, _____

3. 599, _____, _____

711, _____, _____

Count forward or backward by tens.

Count forward by tens.

Count backward by tens.

4. 824, 834, 844

267, 257, 247

5. 782, _____, _____

182, _____, _____

6. 599, _____, _____

711, _____, _____

Count forward or backward by hundreds.

Count forward by hundreds.

Count backward by hundreds.

7. 188, 288, 388

750, 650, 550

8. 507, _____, _____

427, _____, _____

9. 646, _____, _____

999, _____, _____

Name _____

Problem Solving: Strategy

Work Backward

P 24-5
PRACTICE

Solve.

Draw or write to explain.

1. Paula is reading a book with 346 pages. She has 152 pages left to read. How many pages has she read already?

194 pages

$$\begin{array}{r} 346 \\ - 152 \\ \hline 194 \end{array}$$

2. Greta has 875 marbles. She has 692 left after she gives some to Brenda. How many marbles did Brenda get?

_____ marbles

3. Jorge bought a book for \$4.35. Now he has \$3.29. How much money did Jorge have to begin with?

4. There are 658 books in Tom's collection. Tom donates some to the library. Now he has 485 books. How many books did Tom donate to the library?

_____ books

Dino-Might

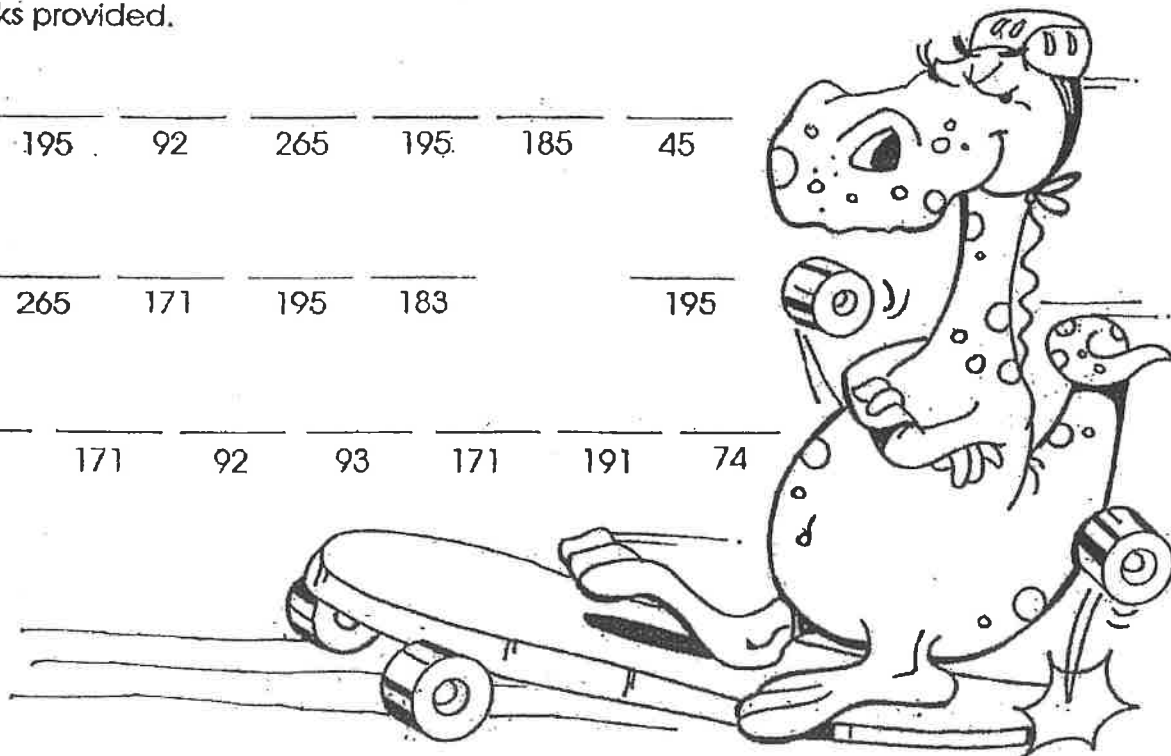
Subtraction — Regrouping Tens

Whenever you're using "kid transportation," what is the best thing to do? To find out, use the key at the bottom of the page to match the letters with the differences in the blanks provided.

$$\begin{array}{r} 195 \\ - 92 \\ \hline \end{array}$$

$$\begin{array}{r} 265 \\ - 171 \\ \hline \end{array}$$

$$\begin{array}{r} 181 \\ - 171 \\ \hline \end{array}$$



$$\begin{array}{r} A = 348 \\ - 153 \\ \hline \end{array}$$

$$\begin{array}{r} L = 765 \\ - 673 \\ \hline \end{array}$$

$$\begin{array}{r} S = 427 \\ - 382 \\ \hline \end{array}$$

$$\begin{array}{r} M = 568 \\ - 475 \\ \hline \end{array}$$

$$\begin{array}{r} T = 637 \\ - 446 \\ \hline \end{array}$$

$$\begin{array}{r} H = 878 \\ - 697 \\ \hline \end{array}$$

$$\begin{array}{r} Y = 548 \\ - 363 \\ \hline \end{array}$$

$$\begin{array}{r} W = 748 \\ - 483 \\ \hline \end{array}$$

$$\begin{array}{r} E = 824 \\ - 653 \\ \hline \end{array}$$

$$\begin{array}{r} R = 439 \\ - 256 \\ \hline \end{array}$$

$$\begin{array}{r} I = 447 \\ - 373 \\ \hline \end{array}$$



\$+¢-x÷=\$+¢-x÷=\$+¢-x÷=\$+¢-x÷=\$

Find the Hidden Instrument!

Subtraction — Regrouping Tens

Solve each problem. Color each shape according to the key below.

482

529
-373

484
-364

543
-382

732
-561

896
-135

681

513
-321

629
-583

342

954
-392

705
-443

548
-283

642
-462

173

635
-573

926
-564

548
-283

327

664
-482

658

529
-364

439
-275

614
-453

853
-522

626
-394

843
-392

328
-182

653

If the difference in the ten's column is:

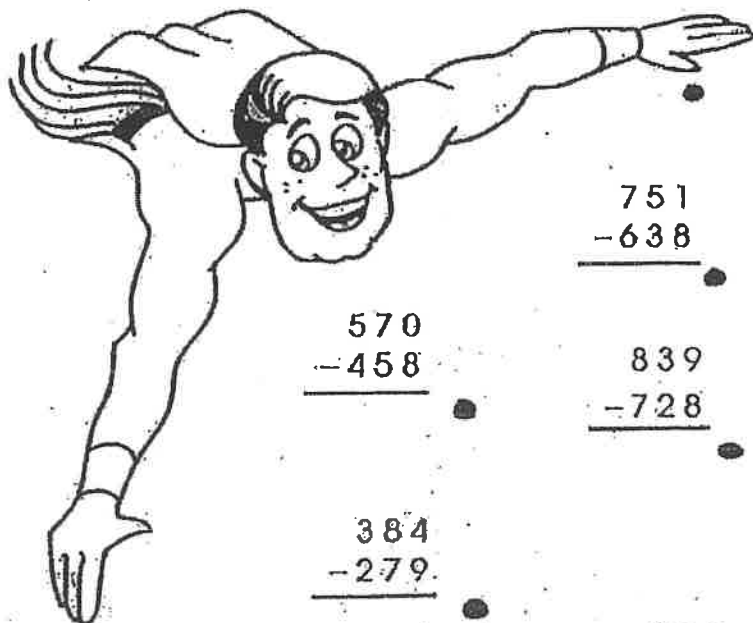
- 1 = color red
- 2 = color blue
- 3 = color orange
- 4 = color green
- 5 = color purple
- 6 = color yellow
- 7 = color red
- 8 = color blue
- 9 = color purple

\$+¢-x÷= \$+¢-x÷= \$+¢-x÷= \$+¢-x÷= \$

Surprise! Surprise!

Subtraction — Regrouping Ones

Connect the dots to create two surprises! Counting forward, start with the subtraction problem whose difference is 100 and end with the problem whose difference is 109. Then, begin again with 110 and connect the consecutive dots to 120. Color in the pictures when you are finished.



$$\begin{array}{r} 953 \\ -839 \\ \hline \end{array}$$

$$\begin{array}{r} 774 \\ -658 \\ \hline \end{array}$$

$$\begin{array}{r} 493 \\ -378 \\ \hline \end{array}$$

$$\begin{array}{r} 751 \\ -638 \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ -247 \\ \hline \end{array}$$

$$\begin{array}{r} 570 \\ -458 \\ \hline \end{array}$$

$$\begin{array}{r} 839 \\ -728 \\ \hline \end{array}$$

$$\begin{array}{r} 446 \\ -327 \\ \hline \end{array}$$

$$\begin{array}{r} 844 \\ -726 \\ \hline \end{array}$$

$$\begin{array}{r} 384 \\ -279 \\ \hline \end{array}$$

$$\begin{array}{r} 383 \\ -273 \\ \hline \end{array}$$

$$\begin{array}{r} 696 \\ -576 \\ \hline \end{array}$$

$$\begin{array}{r} 590 \\ -487 \\ \hline \end{array}$$

$$\begin{array}{r} 575 \\ -471 \\ \hline \end{array}$$

$$\begin{array}{r} 653 \\ -547 \\ \hline \end{array}$$

$$\begin{array}{r} 493 \\ -386 \\ \hline \end{array}$$

$$\begin{array}{r} 359 \\ -257 \\ \hline \end{array}$$

$$\begin{array}{r} 862 \\ -754 \\ \hline \end{array}$$

$$\begin{array}{r} 190 \\ -89 \\ \hline \end{array}$$

$$\begin{array}{r} 359 \\ -259 \\ \hline \end{array}$$

$$\begin{array}{r} 585 \\ -476 \\ \hline \end{array}$$



Name _____

Compare Numbers • Algebra



Compare. Write $>$, $<$, or $=$.

1. 415 451 623 678 730 830

2. 375 375 549 560 248 239

3. 109 111 382 379 445 545

4. 272 275 818 816 357 357

5. 643 637 256 261 429 421

6. 317 371 588 598 761 769

7. 285 287 638 632 954 957

8. 275 375 717 717 539 542

9. 827 789 690 711 431 438

10. 555 525 684 648 698 698