

Numbers IN Base
Ten Standards

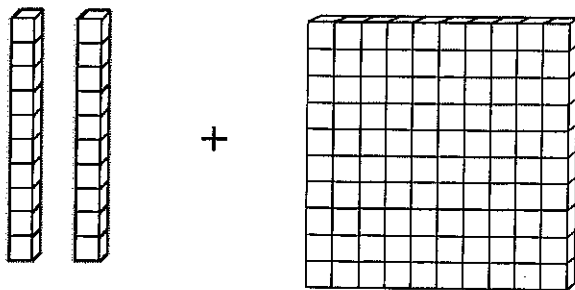
Name _____

Base Ten Battles

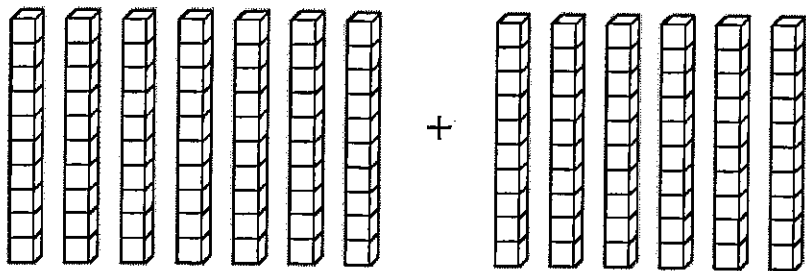
Maria and Preston are talking about ways to make 130.

The second graders drew these pictures to show their ideas:

Maria –



Preston –



Who is correct?

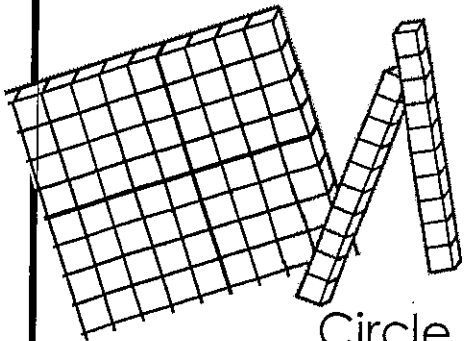
Name _____

Place Value Problem

Isaac and Ryan are solving this problem:

"Joe knows that there are 8 hundreds in eight hundred. If Joe is correct, how many ones are in eight hundred?"

Isaac says the answer is 800 because 800 ones is equal to eight hundred. Ryan says there are 0 ones in 800 because there's a zero in the ones place.




Who is correct?
Circle his or her answer.

Name _____

Skip Counting Squabble

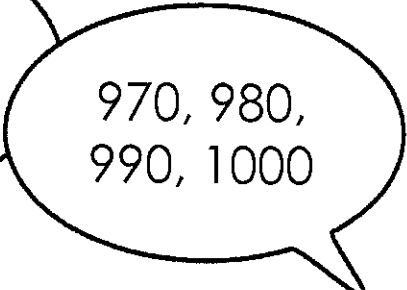
Jackie and Adele are counting by 10s together, but they said different numbers. This is what they counted:

Jackie said, "970, 980, 990, 900", but Adele said, "970, 980, 990, 1000." They need to figure out who is correct so they can keep counting.



970, 980,
990, 900

JACKIE



970, 980,
990, 1000

ADELE

Who is correct?
Circle his or her answer.

Name _____

Money Mania

Tasha and Johnny are solving this problem:

"Leslie knows that nickels are worth 5 cents. She has 75 cents in nickels and wants to give her nickels away until she has 10 cents left. If Leslie skip counts down from 75 to find how many nickels she will give away, what number will she say after 65? How many times will she count by 5s?"

Tasha and Johnny reached these answers:

TASHA

Leslie will say 70
and will count 13
times.

JOHNNY

Leslie will say 60
and will count
15 times.



Who is correct?
Circle his or her
answer.

Name _____

Sticker Story

Cullen and Cassie are trying to answer this question:

"Morgan has 488 dog stickers in her notebook. What is another way to write 488?"

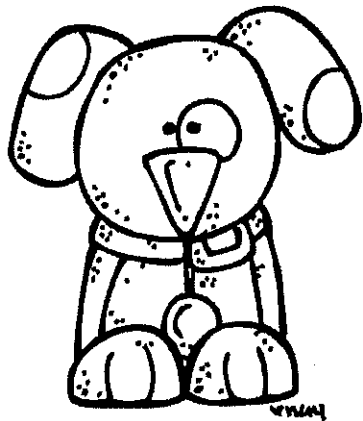
Cullen and Cassie reached these answers:

CULLEN

$$400 + 80 + 8$$

CASSIE

$$4 + 8 + 8$$



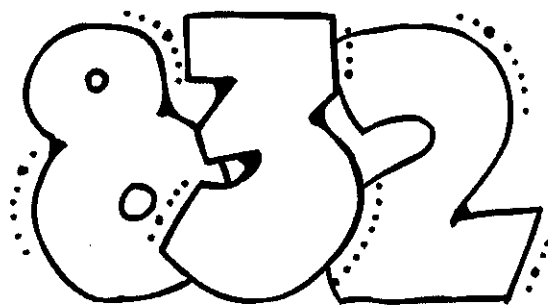
Who is correct?
Circle his or her
answer.

Name _____

Number Names

Chase and Zalen want to write 832 in another way.

Chase says that it could be written "800 hundreds + 30 tens + 2 ones" and Zalen says it should be "8 hundreds + 3 tens + 2 ones."



CHASE

ZALEN

Who is correct?
Circle his or her answer.

Name _____

Comparing Cupcakes

Daniel and Samantha baked cupcakes to sell at a fair.

Daniel baked 791 and Samantha baked 719 cupcakes. Samantha says they baked the same amount of cupcakes, but Daniel says that he baked more.



DANIEL

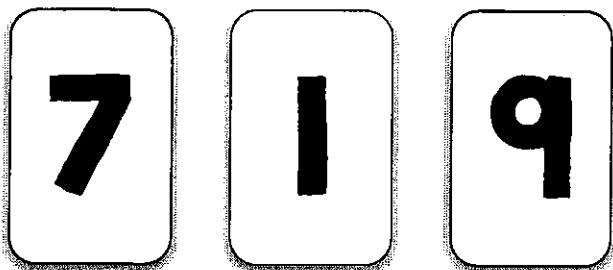
SAMANTHA

Who is correct?
Circle his or her answer.

Name _____

Digit Riddle

Weston and Rachel have three cards that each have a digit written on them. These are the cards:



Their task is to write a number sentence comparing the smallest and largest three digit numbers that can be made with these digits. These are the answers Weston and Rachel reach:

WESTON

$$197 < 971$$

RACHEL

$$971 > 179$$

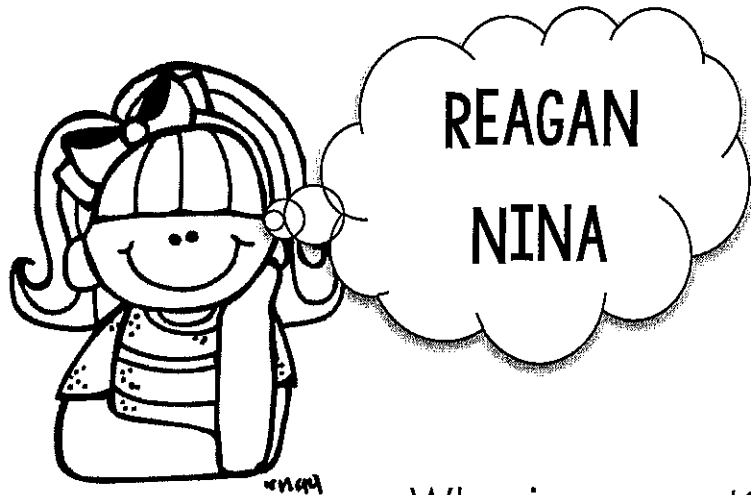
Who is correct?
Circle his or her answer.

Name _____

Digit Riddle #2

Reagan and Nina both solved the problem $42 - 11$ and both of them got a difference of 31. Now they want to check their work.

Reagan says that to check their work, they should do 31 minus 11.
Nina says that to check their work, they should do 31 plus 11.



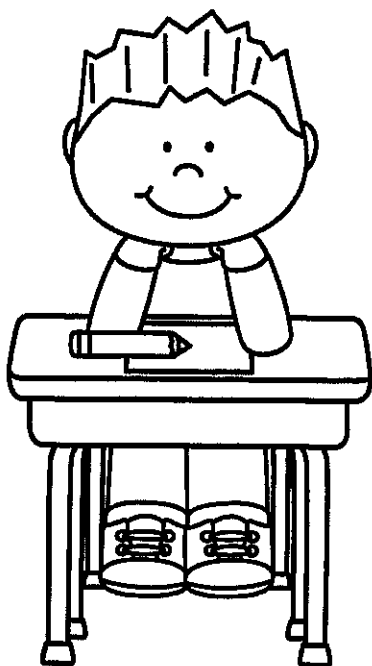
Who is correct?
Circle his or her answer.

Name _____

Approaching Addition

Angela and Arlo are adding 47 and 38. This is how they solved the problem:

Angela did $47 + 30 + 8$ and got a sum of 85. Arlo did $47 + 3 + 30 + 8$ and got a sum of 88.



ANGELA

ARLO

Who is correct?
Circle his or her answer.

Name _____

Multi-Digit Madness

Max and Merci are solving this problem:

$$32 + 13 + 28 + 29 = ?$$

These are their answers:

MAX

$$\begin{array}{r} 32 \\ + 13 \\ + 28 \\ + 29 \\ \hline 822 \end{array}$$

MERCI

$$\begin{array}{r} 2 \\ 32 \\ + 13 \\ + 28 \\ + 29 \\ \hline 102 \end{array}$$



Who is correct?
Circle his or her answer.

Name _____

Ticket Time

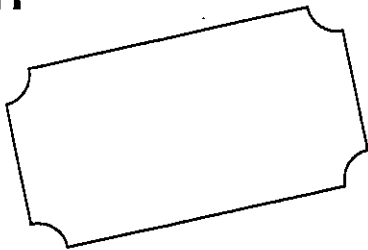
Noah and Emma are solving this problem:

"Adrian gets tickets from each game he plays, and he's saving his tickets to get a prize. He got 29 tickets from the basketball machine, 25 tickets from skee-ball and 18 tickets from the hunting game. How many tickets does Adrian have for a prize?"

Noah says that Adrian has 62 tickets.
Emma says Adrian has 72 tickets.

NOAH

EMMA



Who is correct?
Circle his or her answer.

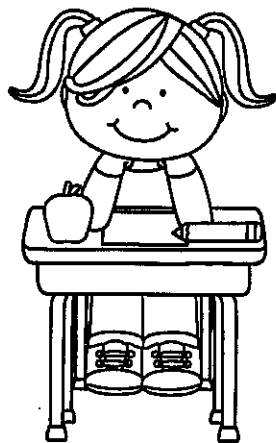
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Three-Digit Theory

Claire and Dean are finding the difference between 928 and 374. This is the work they did to solve the problem:

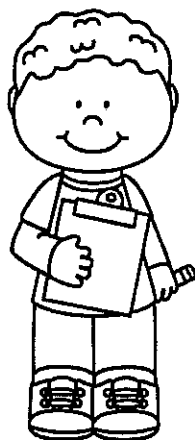
$$\begin{array}{r} 812 \\ \cancel{928} \\ - 374 \\ \hline 554 \end{array}$$

CLAIRE



$$\begin{array}{r} 810 \\ \cancel{928} \\ - 374 \\ \hline 534 \end{array}$$

DEAN



Who is correct?
Circle his or her answer.

Name _____

Pet Puzzle

Nick and Sydney are solving this problem:

"The students at Mountain Air Elementary tallied their favorite pet. The results are in the chart.

Favorite Pets	
Choice	Students
Dog	73
Cat	64
Fish	26
Hamster	72

If each student voted for only one pet, how many students voted in all?"

These are the answers they reached.

NICK

235 students

SYDNEY

225 students

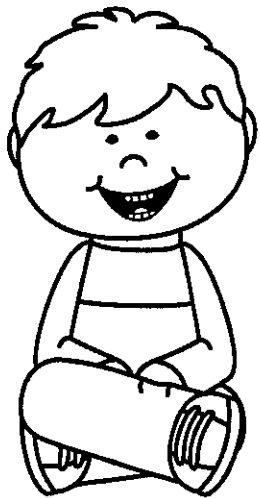
Who is correct?
Circle his or her answer.

Name _____

Mental Math Mystery

Jimmy and Charity want to know the difference between 554 and 10.

Jimmy says the answer would be 544, and Charity says it would be 454.



JIMMY



CHARITY

Who is correct?
Circle his or her answer.

Name _____

Town Barbeque

Virginia and Bennett are solving this problem:

"The town of Katy is having a barbeque for all its residents. They have already made 837 hotdogs and need 100 more. How many hotdogs will they have made in all?"



These are the answer Virginia and Bennett reached:

VIRGINIA

737 hotdogs

BENNETT

937 hotdogs

Who is correct?
Circle his or her answer.

Name _____

Super Strategies

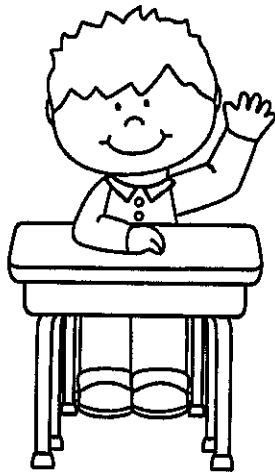
Philip and Dylan are trying to solve $392 + 273$. They asked each other how they solved their problems and this is what they said:

Philip said, "I added by place value. First, I did $300 + 200$, then $90 + 70$, then $2 + 3$. Those sums were 500, 160 and 5. Then I added the sums together and got 665."

Dylan said, "I wanted wanted to make the numbers easier to add, so I subtracted 2 from 392 and added 2 to 273. $390 + 275$ is 525."

PHILIP

DYLAN



Who is correct?
Circle his or her answer.

Name _____

Super Strategies

Frank and Betsy are working hard to find the answer to $473 - 227$. When they finally reached their answers, they weren't the same. When they explained their work to each other, this is what they said:

Frank said, "First, I subtracted 200 from 473 and got 273. Then I subtracted 20 from 273 and got 253. After that, I subtracted 7 and got 254. My strategy works because I broke 227 apart into its place values."

Betsy said, "First, I subtracted 3 from both 473 and 227. I got 470 and 224. Then I added on to find my answer. I started at 224 and added 200 to reach 424. I added on 40 next to get to 464 and finally added the 6 to get to 470. I put together everything I added on, so I added $200+40+6$ and the total was 246. My strategy works because you can add on to the smaller number to find the difference."

FRANK

BETSY

Who is correct?
Circle his or her answer.