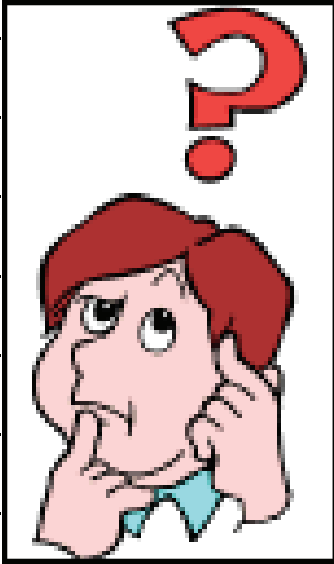


Hundred Board

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23					28	29	30
31	32	33					38	39	40
41	42	43					48	49	50
51	52	53					58	59	60
61	62	63					68	69	70
71	72	73					78	79	80
81	82	83					88	89	90
91	92	93					94	95	96

Logic Problems

By Terry Kawas

Cooperative Learning Roles



READER: Reads the clues aloud to the group one at a time.

RECORDER: Keeps the record for the group on the hundred board. The recorder crosses out all numbers the group decides do not fit the clue just read.



CHECKER: Makes sure the recorder crosses out all the numbers the group decides do not fit the last clue. The checker tells the leader when the group is ready for the next clue.

LEADER: Makes sure everyone does his or her job. The leader tells the reader when to read the next clue. The leader may ask the reader to repeat a clue for the group. The leader reports the group's answer.



NAME _____ DATE _____

DETECTIVE PARTY

Jimmy Jingle was having a detective party for some of his new friends. He gave directions to his house but decided not to give the house number. Instead, he gave his new friends some clues to see who could find his house on Bell Street. Here are Jimmy's clues for his house number:

- The number is greater than 50.
- The number is less than 90.
- The two digits are different.
- The tens digit is larger than the ones digit.
- It is an odd number.
- The sum of its digits is 15.



What is Jimmy Jingle's house number?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

NAME _____ DATE _____

TELLY'S AGE

Telly, who loved to talk, refused to tell anyone how old she was. All she would do was give one hint or clue a day to help her friends narrow down the possible ages. Finally, on the sixth day, Greta told everyone that she had figured out how old Telly was. Here are the clues Telly gave:

- I am older than the number of days in December.
- I am younger than the number of pennies in a dollar.
- If you count by 5, you say my age.
- There are no even digits in my age.
- I am older than the number of minutes in an hour.
- The sum of the digits of my age is the same as the number of months in a year.



How old does Greta think Telly really is?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
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91	92	93	94	95	96	97	98	99	100

NAME _____ DATE _____

IS JONAS IN TROUBLE?

Jonas loved to play video games, but his mother was always telling him to quit and do his homework. Finally, they reached an agreement. Jonas could play for 45 minutes after school and then he must stop and do homework. One day, Jonas was playing video games when his older brother came home. His brother asked him how long he had been playing, hoping he could get Jonas in trouble. Jonas, trying to confuse his brother, gave him only these clues:

- I have been playing fewer minutes than there are in an hour.
- The number of minutes is greater than the number of pennies in two dimes.
- If you count by ten, you will say the number of minutes I have been playing.
- There are no odd digits in the number of minutes.



Should Jonas get in trouble with his mother?

1	2	3	4	5	6	7	8	9	10
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31	32	33	34	35	36	37	38	39	40
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91	92	93	94	95	96	97	98	99	100

NAME _____ DATE _____

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91	92	93	94	95	96	97	98	99	100

NAME _____

DATE _____

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91	92	93	94	95	96	97	98	99	100

<p>Problem Number:</p> <p>Answer:</p> <div style="border: 1px solid black; width: 100%; height: 100%;"></div>
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Hundred Board

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