May 31, 2023

Dear Rising 5th Grader,

Welcome to Fifth Grade Math! This summer you will need to complete the attached math packet. It will help keep your math skills sharp and prepare you for 5th grade math. Your parents should review and sign each page. **The math packet is due on the second day of class. It will be counted as your first homework grade of the new school year.**

By Fifth Grade you should be able to complete 100 multiplication facts in four minutes or less. Using flashcards is an excellent way to practice facts independently as well as with a partner. Challenge yourself by using a timer!

For additional practice you may want to purchase a summer math workbook called *Summer Bridge Workbook*. It is available at Barnes & Noble. *This is not a requirement*.

Have a fun and safe summer. I am looking forward to seeing you in August.

Go Stars!

Mrs. Vehr

Suggested work schedule

Week 1: Minute 1 and Minute 2

Week 2: Minute 3 and Minute 4

Week 3: Addition and Subtraction Regrouping

Week 4: Fact practice- 2 x 3 and 4 x 5 x 6

Week 5: Fact practice - 7 x 8 x 9 and 5 x 6 x 7 x 8

Week 6: Multiplication- One Digit Numbers x Two Digit Numbers and Snowball Bash

Week 7: Division Tic-Tac-Toe and Hmm, What Should I Do?

MATH PACKET DUE: First FULL day of school

MINUTE 1

NAME _____

1. For 902,798, write the digit in the hundreds place. _____

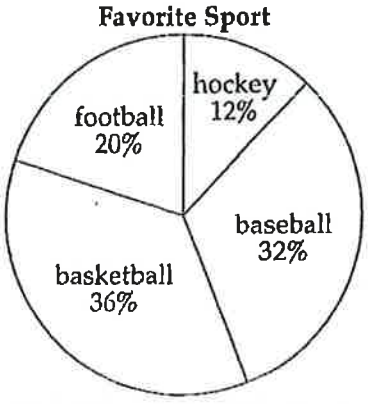
2. 6 x 2 =

3. Can 351 be evenly divided by 2? Circle: Yes or No

4. 80 ÷ 8 =

5. Write the time 3 hours after 9:00 p.m. _____

Use the circle graph to complete questions 6–8.



6. What percentage of people prefer baseball? _____

7. What two sports together equal the same percentage as baseball? _____ and _____

8. Which sport has the greatest percentage? _____

9. How many sides does a rectangle have? _____ sides

10. 1 foot = _____ inches

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MINUTE 2

NAME _____

Use the pictograph to complete questions 1–3.

Books Read

Eva	5 books
Tyler	3 books
Diana	4 books
Cameron	3 books

(Each book equals 5 books.)

1. How many books did Eva read? _____ books

2. How many more books did Eva read than Diana? _____ books

3. Two students read the minimum number of books. How many books did they each read? _____ books

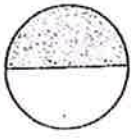
4. $77 \div 7 =$

5. How many sides does a pentagon have? _____ sides

6. Write the missing family fact.
   $6 + 8 = 14$
   $14 - 8 = 6$
   $14 - 6 = 8$
   _____

7. The value of the underlined digit in 326,619 is 3 hundred thousand.
   Circle: True or False

8. Write a fraction for the shaded part. _____



9. 1 minute = _____ seconds

10. 0, 3, 6, 9, _____, _____, _____.

Parent signature

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MINUTE 3

NAME _____

1. Use commas and write the number in standard form.
four hundred seventy-three thousand, six hundred sixty-five = _____

2. 80 ÷ 10 =

Use the circle graph to complete questions 3–5.

3. What do the lowest percentage of children do on Saturday? _____

4. What do 35% of the children do? _____

5. Do more children play outside or see a movie? _____

6. 7 x 7 =

7. What time is 14 hours after 3:00 a.m.? _____

8. Circle the name of the solid: sphere cone cylinder pyramid

9. Write an equation for "The difference between 8 and 12 equals 4." _____

10. 1 yard = _____ feet

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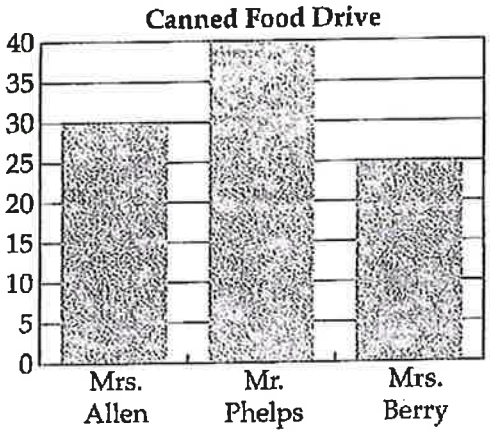
MINUTE 4

NAME _____

Use the bar graph to complete questions 1–3.



1. How many cans did Mrs. Berry's class collect? _____ cans

2. How many cans did Mr. Phelp's class collect? _____ cans

3. What was the total number of cans collected? _____ cans

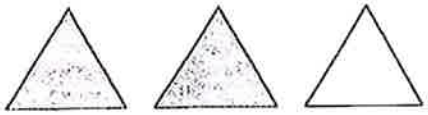
4. Write the missing family fact.
   $7 \times 6 = 42$
   $42 \div 7 = 6$
   $42 \div 6 = 7$
   _____

5. 4 years = _____ months

6. 1 cm = _____ mm

7. $80 \div 4 =$

8. Write a fraction for the number of shaded triangles. _____



9. $6 \times 8 =$

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10. Circle the rule for the sequence: 98, 87, 76, 65
    Add 10 Subtract 10 Add 11 Subtract 11

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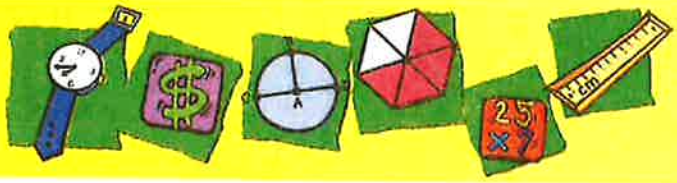
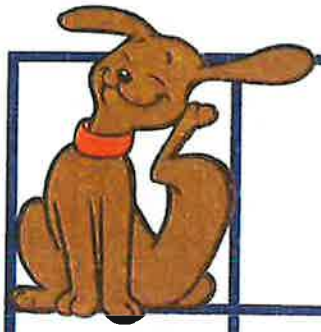


Name _____

Addition: Regrouping

Regrouping uses 10 ones to form one 10, 10 tens to form one hundred, one 10 and 5 ones to form 15, and so on.

Directions: Add using regrouping. Color in all the boxes with a **5** in the answer to help the dog find its way home.



	63 + 22	5,268 4,910 + 1,683	248 + 463	291 + 543	2,934 + 112
1,736 + 5,367	2,946 + 7,384	3,245 1,239 + 981	738 + 692	896 + 728	594 + 738
2,603 + 5,004	4,507 + 289	1,483 + 6,753	1,258 + 6,301	27 469 + 6,002	4,637 + 7,531
782 + 65	485 + 276	3,421 + 8,064			
48 93 + 26	90 263 + 864	362 453 + 800			

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Name _____

Subtraction: Regrouping

Directions: Subtract using regrouping.

Examples:

23 - 18	1 2 3 - 1 8 5
243 - 96	1 13 2 4 3 - 9 6 1 4 7

81 - 53	76 - 49	94 - 38	156 - 77	341 - 83	726 - 29
568 - 173	806 - 738	743 - 550	903 - 336	647 - 289	254 - 69
730 - 518	961 - 846	573 - 76	604 - 55	265 - 19	372 - 59
111 - 82	358 - 99	147 - 49			
180 - 106	325 - 68	873 - 35			

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Name _____ Time _____

Number Correct _____/100

Multiplication • x 2 and x 3

1	2 x 2	0 x 3	9 x 3	4 x 2	0 x 2	7 x 3	3 x 2	8 x 3	6 x 2	4 x 3
2	3 x 2	1 x 2	1 x 3	6 x 3	5 x 2	9 x 2	5 x 3	7 x 2	3 x 3	2 x 3
3	9 x 3	5 x 2	2 x 2	2 x 3	6 x 3	3 x 2	6 x 2	5 x 3	8 x 3	7 x 2
4	5 x 2	7 x 3	5 x 3	4 x 2	2 x 2	0 x 2	1 x 2	7 x 3	6 x 2	4 x 3
5	6 x 3	3 x 2	4 x 3	6 x 2	3 x 3	5 x 2	8 x 3	7 x 2	3 x 3	2 x 2
6	8 x 3	9 x 2	0 x 3	6 x 3	7 x 2	9 x 3	4 x 3	2 x 2	5 x 2	7 x 3
7	4 x 3	2 x 2	6 x 3	5 x 3	4 x 2	2 x 2	1 x 2	3 x 2	6 x 2	9 x 2
8	3 x 3	0 x 3	4 x 2	9 x 3	1 x 3	2 x 2	0 x 2	8 x 3	6 x 3	8 x 2
9	5 x 3	4 x 2	8 x 3	7 x 2	6 x 3	9 x 3	0 x 2	1 x 3	4 x 3	2 x 2
10	9 x 2	4 x 3	2 x 3	9 x 2	6 x 2	8 x 3	7 x 3	5 x 3	6 x 2	7 x 3

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Name _____ Time _____

Number Correct _____/100

Multiplication • x 4, x 5, and x 6

(1)	(2)	(3)	(4)	(5)
5 x 3 = ____	4 x 3 = ____	5 x 1 = ____	5 x 9 = ____	4 x 0 = ____
4 x 4 = ____	5 x 5 = ____	5 x 4 = ____	4 x 9 = ____	5 x 8 = ____
4 x 0 = ____	4 x 5 = ____	6 x 5 = ____	5 x 7 = ____	6 x 4 = ____
6 x 5 = ____	5 x 0 = ____	4 x 4 = ____	5 x 5 = ____	4 x 4 = ____
4 x 7 = ____	5 x 2 = ____	6 x 4 = ____	6 x 4 = ____	6 x 5 = ____
4 x 4 = ____	5 x 4 = ____	6 x 5 = ____	4 x 5 = ____	4 x 1 = ____
4 x 8 = ____	5 x 2 = ____	4 x 4 = ____	5 x 6 = ____	5 x 5 = ____
4 x 7 = ____	4 x 3 = ____	4 x 2 = ____	4 x 4 = ____	6 x 1 = ____
5 x 3 = ____	6 x 4 = ____	5 x 7 = ____	6 x 5 = ____	5 x 5 = ____
4 x 3 = ____	4 x 3 = ____	6 x 7 = ____	5 x 2 = ____	5 x 9 = ____
6 x 6 = ____	6 x 5 = ____	6 x 8 = ____	5 x 5 = ____	4 x 5 = ____
4 x 6 = ____	6 x 2 = ____	5 x 8 = ____	5 x 4 = ____	6 x 9 = ____
5 x 2 = ____	6 x 3 = ____	6 x 9 = ____	6 x 5 = ____	5 x 9 = ____
6 x 4 = ____	4 x 7 = ____	6 x 8 = ____	6 x 2 = ____	4 x 8 = ____
6 x 7 = ____	6 x 3 = ____	4 x 8 = ____	4 x 5 = ____	6 x 1 = ____
5 x 8 = ____	5 x 9 = ____	6 x 7 = ____	6 x 3 = ____	4 x 7 = ____
6 x 2 = ____	4 x 9 = ____	5 x 4 = ____	5 x 2 = ____	6 x 9 = ____
4 x 6 = ____	4 x 8 = ____	6 x 6 = ____	5 x 3 = ____	5 x 3 = ____
6 x 8 = ____	5 x 7 = ____	4 x 0 = ____	4 x 6 = ____	5 x 0 = ____
4 x 0 = ____	6 x 2 = ____	6 x 0 = ____	6 x 5 = ____	5 x 4 = ____

Name _____

Time _____

Multiplication • x 7, x 8, and x 9

Number Correct _____/100

8 x 3 = _____	7 x 8 = _____	7 x 2 = _____	8 x 5 = _____	8 x 0 = _____
7 x 7 = _____	8 x 3 = _____	8 x 4 = _____	7 x 5 = _____	8 x 5 = _____
7 x 5 = _____	8 x 8 = _____	7 x 0 = _____	7 x 4 = _____	8 x 6 = _____
8 x 7 = _____	7 x 8 = _____	9 x 7 = _____	8 x 9 = _____	7 x 9 = _____
9 x 8 = _____	7 x 1 = _____	7 x 7 = _____	8 x 4 = _____	7 x 2 = _____
9 x 7 = _____	8 x 8 = _____	8 x 2 = _____	7 x 0 = _____	8 x 3 = _____
8 x 1 = _____	7 x 5 = _____	8 x 6 = _____	9 x 7 = _____	8 x 8 = _____
7 x 1 = _____	8 x 0 = _____	7 x 5 = _____	8 x 6 = _____	9 x 8 = _____
7 x 7 = _____	8 x 9 = _____	7 x 1 = _____	7 x 6 = _____	7 x 8 = _____
9 x 7 = _____	8 x 5 = _____	7 x 8 = _____	7 x 2 = _____	8 x 4 = _____
9 x 0 = _____	8 x 6 = _____	9 x 8 = _____	9 x 4 = _____	8 x 8 = _____
9 x 2 = _____	9 x 3 = _____	8 x 4 = _____	9 x 9 = _____	8 x 5 = _____
9 x 4 = _____	9 x 9 = _____	8 x 0 = _____	9 x 3 = _____	8 x 2 = _____
8 x 4 = _____	7 x 9 = _____	8 x 6 = _____	7 x 8 = _____	9 x 8 = _____
9 x 9 = _____	8 x 3 = _____	9 x 4 = _____	8 x 1 = _____	8 x 2 = _____
7 x 9 = _____	9 x 2 = _____	8 x 5 = _____	7 x 9 = _____	8 x 4 = _____
9 x 2 = _____	9 x 0 = _____	8 x 1 = _____	7 x 8 = _____	7 x 5 = _____
8 x 6 = _____	8 x 8 = _____	9 x 7 = _____	8 x 1 = _____	9 x 8 = _____
7 x 8 = _____	7 x 9 = _____	8 x 7 = _____	6 x 8 = _____	9 x 3 = _____
8 x 4 = _____	8 x 9 = _____	8 x 5 = _____	7 x 7 = _____	8 x 4 = _____

Name _____ Time _____

Number Correct _____/100

Multiplication • x 5, x 6, x 7, x 8, and x 9

(1)	0 x5	2 x8	7 x6	5 x5	2 x6	6 x8	0 x9	1 x5	2 x7	0 x6
(2)	1 x9	5 x8	0 x7	6 x6	4 x5	9 x6	0 x8	2 x9	8 x8	4 x6
(3)	3 x8	0 x6	2 x5	9 x9	6 x5	1 x6	7 x5	6 x9	3 x7	8 x5
(4)	4 x7	1 x8	3 x5	4 x8	3 x9	9 x7	5 x6	9 x5	8 x9	6 x7
(5)	8 x6	5 x7	3 x6	7 x9	7 x8	4 x9	9 x8	8 x7	5 x9	1 x7
(6)	0 x5	2 x6	2 x9	4 x8	5 x6	4 x5	2 x8	0 x8	8 x5	9 x9
(7)	7 x5	2 x7	1 x8	6 x6	7 x9	3 x6	1 x6	8 x8	3 x9	0 x6
(8)	5 x8	8 x6	4 x9	2 x9	4 x8	5 x6	2 x9	5 x7	1 x7	4 x9
(9)	2 x9	5 x5	6 x6	7 x7	8 x9	5 x9	4 x8	2 x5	7 x9	1 x8
(10)	6 x7	9 x6	7 x9	0 x6	1 x9	3 x6	4 x5	8 x8	9 x9	5 x5

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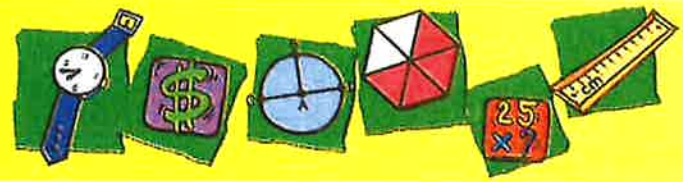


Name _____

Multiplication: One-Digit Numbers Times Two-Digit Numbers

Directions: Follow the steps for multiplying a one-digit number by a two-digit number using regrouping.

Example: **Step 1:** Multiply the ones. Regroup.

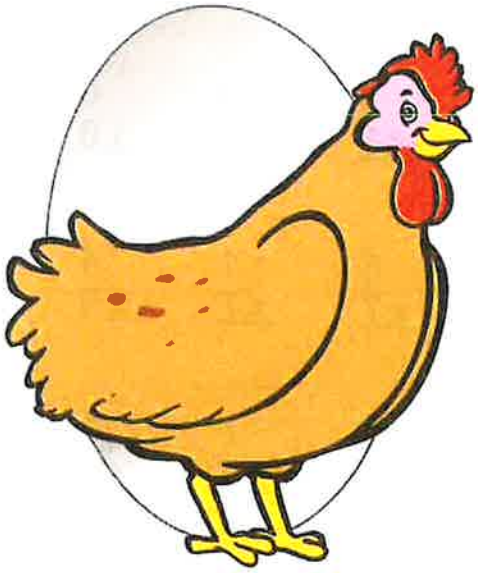
$$\begin{array}{r} {\scriptstyle 2}\\ 54\\ \times\ 7\\ \hline 8 \end{array}$$

Step 2: Multiply the tens. Add two tens.

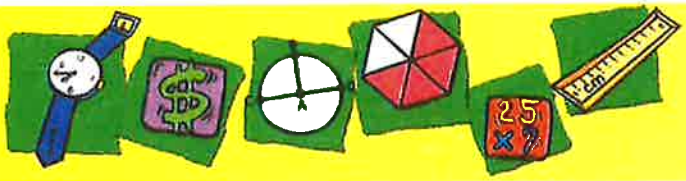
$$\begin{array}{r} {\scriptstyle 2}\\ 54\\ \times\ 7\\ \hline 378 \end{array}$$

Directions: Multiply.

$\begin{array}{r} 27\\ \times\ 3\\ \hline \end{array}$	$\begin{array}{r} 63\\ \times\ 4\\ \hline \end{array}$	$\begin{array}{r} 52\\ \times\ 5\\ \hline \end{array}$	$\begin{array}{r} 91\\ \times\ 9\\ \hline \end{array}$	$\begin{array}{r} 45\\ \times\ 7\\ \hline \end{array}$	$\begin{array}{r} 75\\ \times\ 2\\ \hline \end{array}$
$\begin{array}{r} 64\\ \times\ 5\\ \hline \end{array}$	$\begin{array}{r} 76\\ \times\ 3\\ \hline \end{array}$	$\begin{array}{r} 93\\ \times\ 6\\ \hline \end{array}$	$\begin{array}{r} 87\\ \times\ 4\\ \hline \end{array}$	$\begin{array}{r} 66\\ \times\ 7\\ \hline \end{array}$	$\begin{array}{r} 38\\ \times\ 2\\ \hline \end{array}$
	$\begin{array}{r} 47\\ \times\ 8\\ \hline \end{array}$	$\begin{array}{r} 64\\ \times\ 9\\ \hline \end{array}$	$\begin{array}{r} 51\\ \times\ 8\\ \hline \end{array}$	$\begin{array}{r} 99\\ \times\ 3\\ \hline \end{array}$	
	$\begin{array}{r} 13\\ \times\ 7\\ \hline \end{array}$	$\begin{array}{r} 32\\ \times\ 4\\ \hline \end{array}$	$\begin{array}{r} 25\\ \times\ 8\\ \hline \end{array}$	$\begin{array}{r} 15\\ \times\ 7\\ \hline \end{array}$	



The chickens on the Smith farm produce 48 dozen eggs each day. How many dozen eggs do they produce in 7 days?_____



Name _____

Snowball Bash

Directions: Divide this mound of giant snowballs!

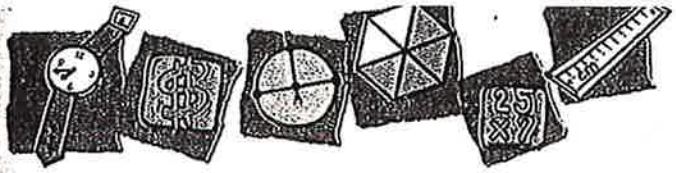
$7\overline{)84}$ $5\overline{)75}$

$3\overline{)45}$ $9\overline{)99}$ $4\overline{)88}$ $5\overline{)80}$

$4\overline{)64}$ $3\overline{)57}$ $3\overline{)78}$ $3\overline{)72}$ $8\overline{)96}$

$2\overline{)86}$ $2\overline{)38}$ $6\overline{)66}$ $5\overline{)65}$ $4\overline{)52}$

$4\overline{)68}$ $6\overline{)78}$ $7\overline{)91}$ $2\overline{)42}$ $6\overline{)72}$



Name _____

Division Tic-Tac-Toe

Directions: Solve the problems. Draw an **X** on the odd (9, 7, 5, 3) answers. Draw an **O** on the even (8, 6, 4, 2) answers.

$4\overline{)36}$	$4\overline{)24}$	$10 \div 5$
$5\overline{)40}$	$32 \div 4$	$25 \div 5$
$35 \div 5$	$20 \div 4$	$12 \div 4$

$4\overline{)32}$	$12 \div 4$	$5\overline{)30}$
$4\overline{)28}$	$4\overline{)20}$	$20 \div 4$
$20 \div 5$	$10 \div 5$	$15 \div 5$

$24 \div 4$	$5\overline{)45}$	$28 \div 4$
$5\overline{)45}$	$5\overline{)20}$	$8 \div 4$
$4\overline{)16}$	$5\overline{)15}$	$30 \div 5$

$25 \div 5$	$4\overline{)8}$	$16 \div 4$
$32 \div 4$	$5\overline{)20}$	$5\overline{)35}$
$40 \div 5$	$4\overline{)12}$	$15 \div 5$

$5\overline{)10}$	$4\overline{)8}$	$24 \div 4$
$4\overline{)36}$	$5\overline{)35}$	$4\overline{)32}$
$45 \div 5$	$5\overline{)30}$	$4\overline{)12}$

$8 \div 4$	$45 \div 5$	$4\overline{)16}$
$5\overline{)25}$	$36 \div 4$	$4\overline{)24}$
$5\overline{)10}$	$25 \div 5$	$4\overline{)36}$

$4\overline{)12}$	$5\overline{)10}$	$5\overline{)45}$
$30 \div 5$	$5\overline{)25}$	$35 \div 5$
$4\overline{)32}$	$8 \div 4$	$5\overline{)20}$

$36 \div 4$	$4\overline{)28}$	$16 \div 4$
$24 \div 4$	$5\overline{)35}$	$5\overline{)40}$
$5\overline{)25}$	$8 \div 4$	$36 \div 4$

$28 \div 4$	$5\overline{)30}$	$45 \div 5$
$16 \div 4$	$32 \div 4$	$15 \div 5$
$4\overline{)20}$	$4\overline{)12}$	$4\overline{)8}$

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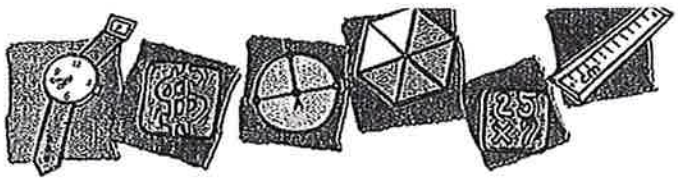


Name _____

Hmm, What Should I Do?

Examples: 52 (+) 9 = 61 37 (−) 8 = 29

8 (×) 4 = 32 28 (÷) 7 = 4

Directions: Write the correct symbols in the circles.

7 ◯ 8 = 56

54 ◯ 9 = 6

36 ◯ 5 = 31

12 ◯ 6 = 18

72 ◯ 7 = 65

0 ◯ 1 = 0

9 ◯ 1 = 9

45 ◯ 9 = 5

81 ◯ 6 = 75

2 ◯ 1 = 2

0 ◯ 2 = 2

9 ◯ 8 = 72

55 ◯ 3 = 52

40 ◯ 2 = 38

8 ◯ 8 = 64

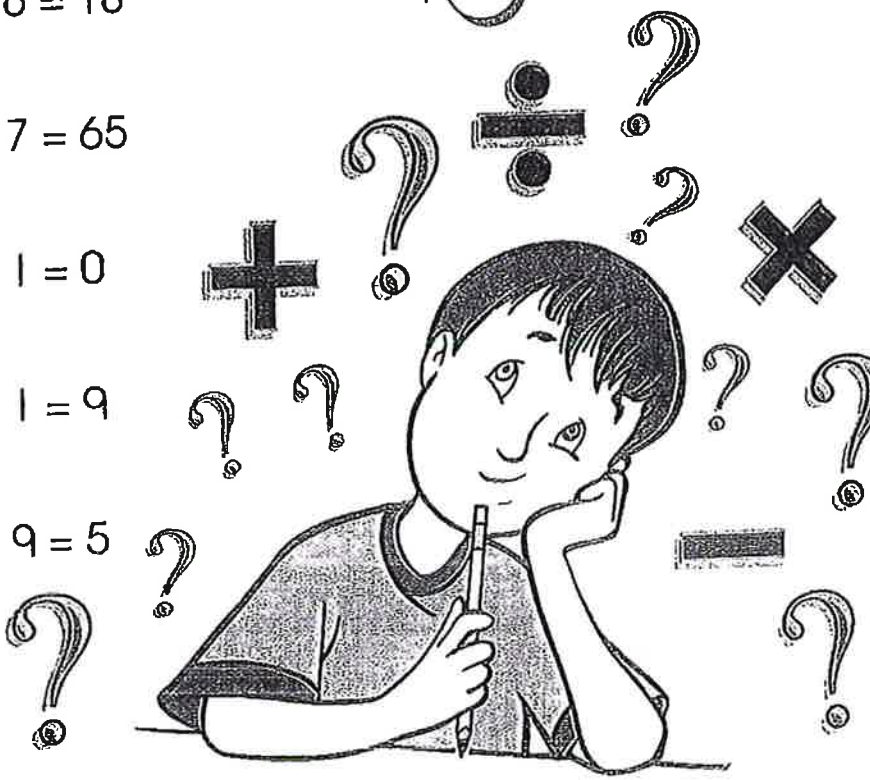
18 ◯ 5 = 23

32 ◯ 5 = 37

48 ◯ 6 = 8

32 ◯ 4 = 8

6 ◯ 7 = 42



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