

Schuchard Elementary

**MATH  
ROCKS**

Summer Math Activities

For Students Entering Grade 2

Name: \_\_\_\_\_

# **Are you ready to have “sun” summer math fun?**

You have learned SO much this year! It is important that you keep practicing your mathematical knowledge over the summer to be ready for 2<sup>nd</sup> grade.

Create a personal Math Journal by stapling several pieces of paper together or use a notebook. Be sure to show all your work from the calendar activities in your Math Journal.

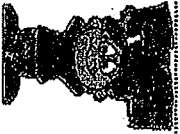


Included in this packet:

- \* A calendar of activities for the months of July and August. Once you have completed an activity, have a family member initial the box on the calendar.
- \* A recording sheet for tallying the weather – check the weather every day and put a tally mark under the word which best describes the day’s weather on the Weather Tally Sheet. At the end of the summer total up all the columns to see how many days were sunny, rainy, cloudy, and windy!
- \* A list of websites you can use to practice your math skills
- \* X-tra Math Summer Log

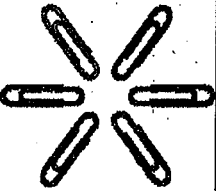
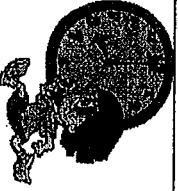
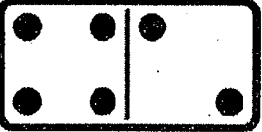

Don’t forget to bring your July and August calendars and activities to school on the first day of 2<sup>nd</sup> grade. The teachers at Schwarzkoff will be so proud of your summer math work!

Happy Thinking!

# July

<p>#1 Be a weather watcher. Check the weather every day and put a tally mark under the word which best describes the day's weather on the Weather Tally Sheet.</p>	<p>#2 Draw a clock in your journal. Show 8:30.</p>	<p>#3 Show in your journal how to solve <math>36 + 2</math> using base ten blocks.</p>	<p>#4 Find any number on your number grid (attached) and count up and back by 10.</p>	<p>#5 A worm is 7 inches long. A caterpillar is 4 inches long. Which is longer? How much longer? Show your work in your journal.</p>
<p>#6 In your journal, draw a picture to represent the number sentence <math>6 + 6 = 12</math></p>	<p>#7 Using a deck of cards play "Addition Top It!" Remember to use only number cards (directions are included). <b>Have Fun!</b></p>	<p>#12 Show in your journal how to solve <math>20 - 10</math> using base ten blocks.</p> 	<p>#8 You have 4 apples and 1 of them is green. Draw them and write in your journal a fraction to show how many apples are green.</p>	<p>#9 Count up and back by 5's to 100. (Use your hundred chart)</p>
<p>#10 How many books do you have? First make an estimate. Then count them. How close was your estimate?</p>	<p>#11 In your journal, complete this pattern: 2, 4, 6 ... Stop at 30.</p>	<p>#15 Count up by 2's to 100. (Use your hundred chart)</p>	<p>#16 Write the doubles facts (example <math>3 + 3</math>, <math>6 + 6</math>) to 20 in your journal. Say them from memory.</p> 	<p>#13 In your journal, draw and label a picture of your family from shortest to tallest.</p>
<p>#14 Find as many circles, squares, and triangles as you can in your bedroom. List the things you find and what shape they are in your journal.</p>				<p>#17 Which number comes before and after: <math>\underline{\quad} \quad 1</math> <math>\underline{\quad} \quad 10</math> <math>\underline{\quad} \quad 17</math> <math>\underline{\quad} \quad 25</math></p>

# August

<p>#1 Flashcard Day!! Practice your facts.</p>	<p>#2 Find an object in your house that is 6 paperclips long and draw it in your journal.</p>		<p>#3 In your journal, draw a picture to represent the number sentence <math>10 + 10 = 20</math>.</p>	<p>#4 Cut out your tens, and ones blocks. Make these numbers: 58, 92, 47, 16, 8</p>
<p>#5 Draw and write in your journal the time you got up and the time you will go to bed.</p>		<p>#6 Count by 10's to 100.</p>	<p>#7 Flashcard Day!! Practice your facts</p>	<p>#8 Count by 5's to 100.</p>
<p>#9 Go to the Public Library, take out and read 2 Math books from the Math book list (attached).  Tell us about the math you learned in your journal.</p>	<p>#10 Cut out the dominos and play domino Top-iti! (Directions are included)</p>		<p>#11 Use the dominos to write number sentences.</p>	<p>#12 Count the doors in your house. Is the number odd or even?  Tell why it is odd or even in your journal.</p>
<p>#13 Go on a bug hunt. Tally how many bugs you saw on your hunt in your journal.</p>	<p>#14 In your journal, show how to find the sum of <math>26 + 37</math> using base ten blocks.</p>	<p>#15 In your journal, write what you would like to learn in math in 2<sup>nd</sup> grade.</p>	<p>#16 Put your journal in your backpack to show your 2<sup>nd</sup> grade teacher! Get Ready for 2<sup>nd</sup> grade! Have a GREAT year!!</p>	

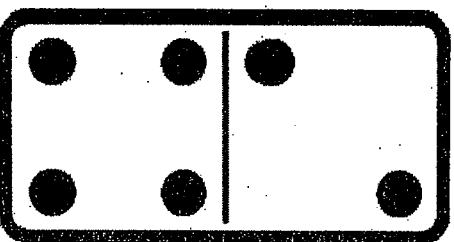
Weather Tally Sheet



<u>Sunny</u>	<u>Rainy</u>	<u>Cloudy</u>	<u>Windy</u>

## Top-It

This is a game for two players. You will need a deck of cards or dominoes. Remove the Aces and face cards. Children shuffle the deck and deal out the cards. Children place their stacks face down in front of them. They then turn over their top cards and read the numbers aloud. Whoever has the larger number keeps both cards. If the cards have the same number, put them aside and turn over the next two cards until someone wins the round and takes all the cards. When children have used all the cards from both stacks, play ends.



Variation: Take index cards and make your own deck with higher numbers. Children should write numbers in the upper left and lower right corners of each card as on standard playing cards.

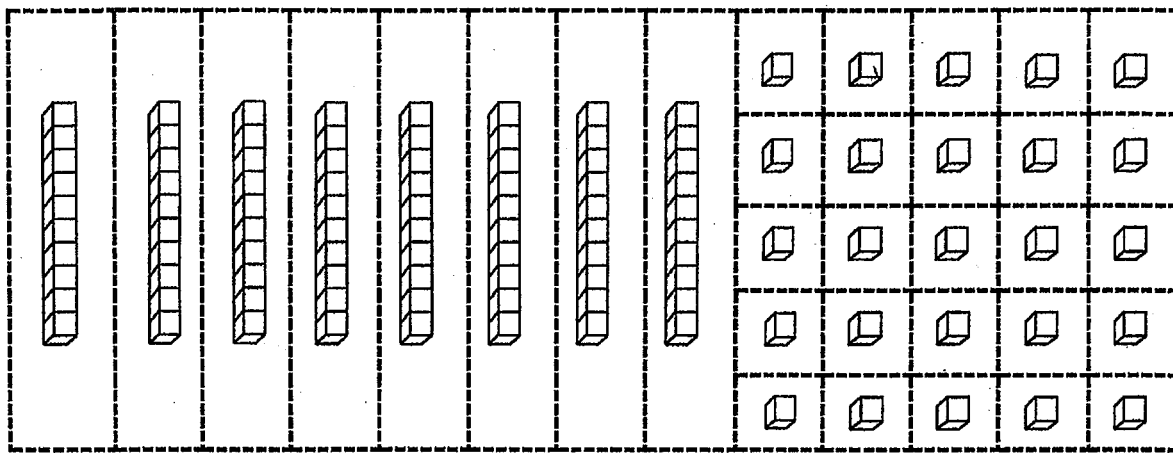
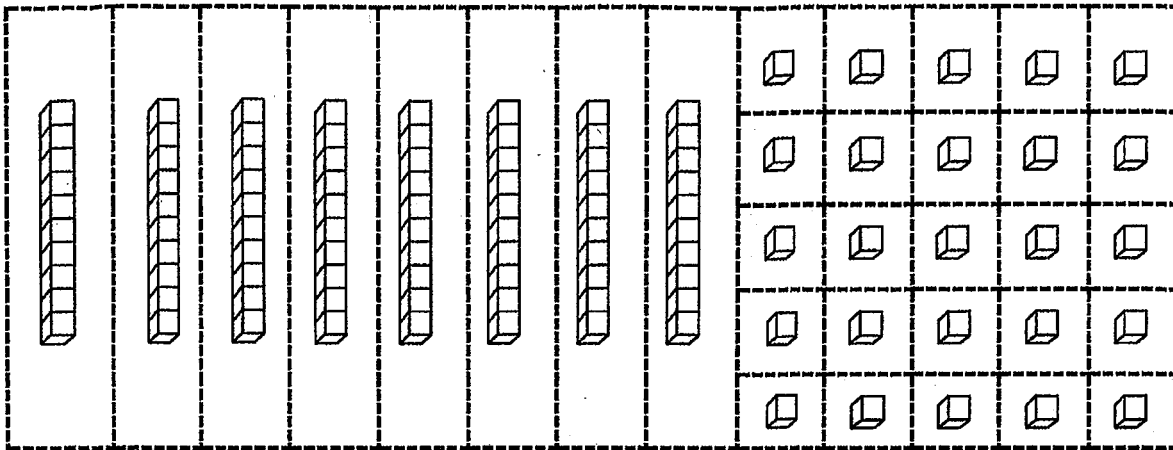
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21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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

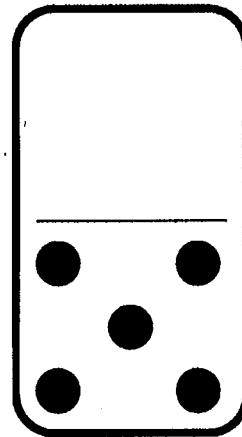
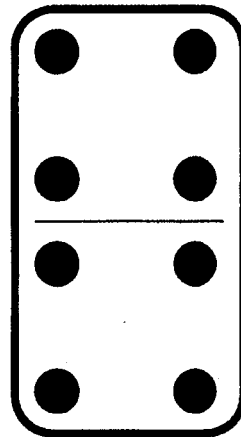
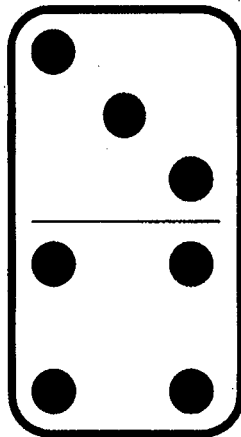
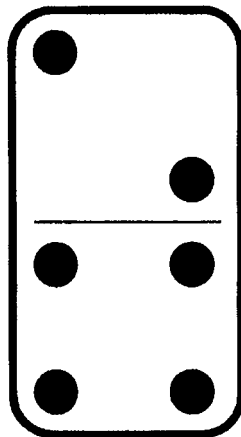
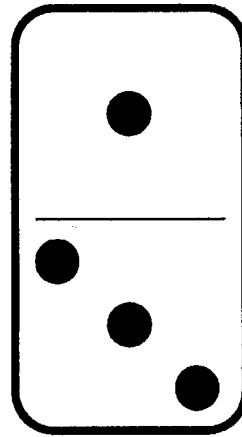
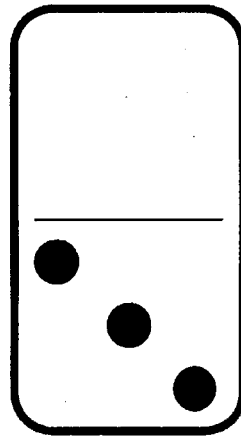
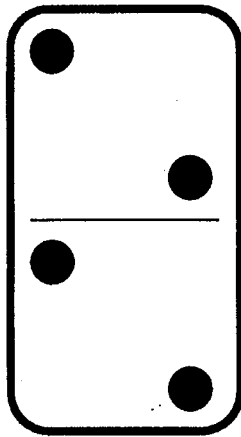
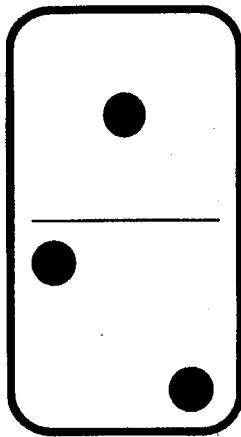
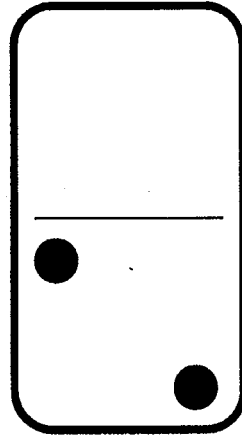
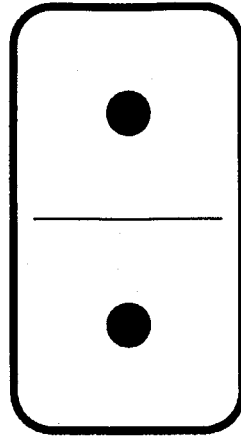
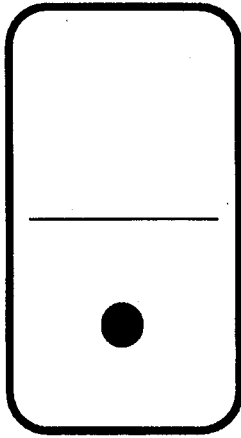
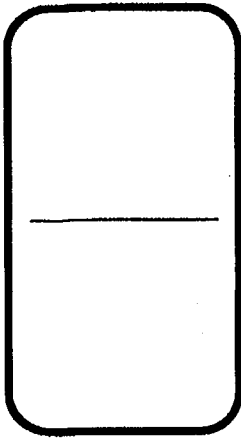


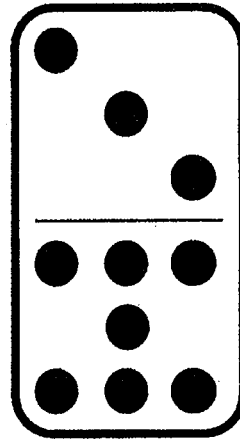
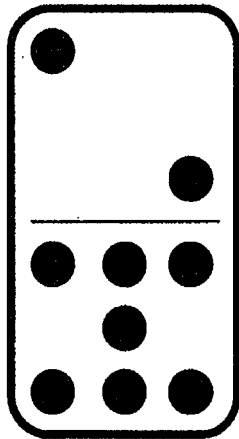
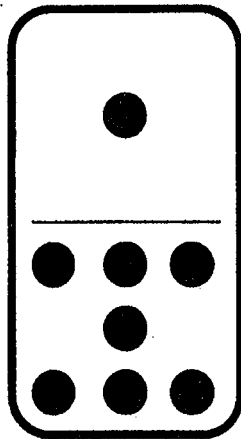
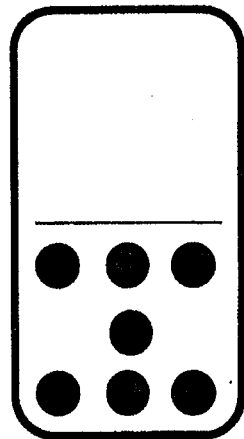
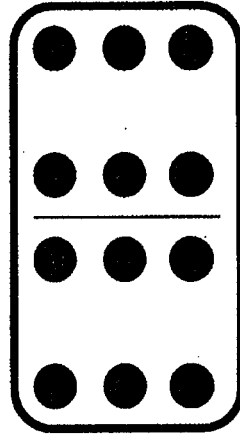
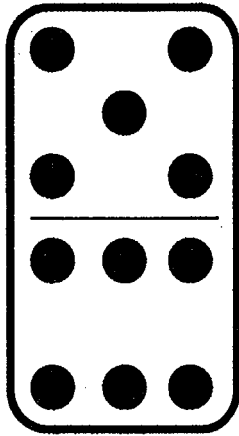
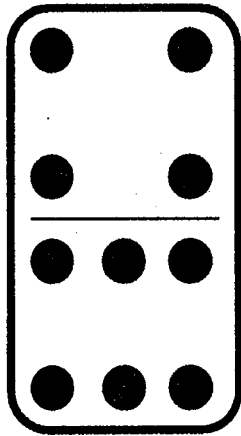
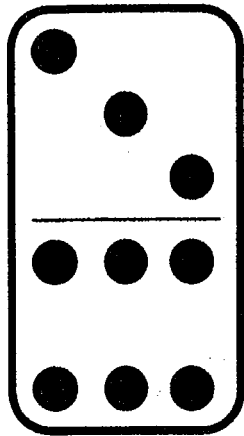
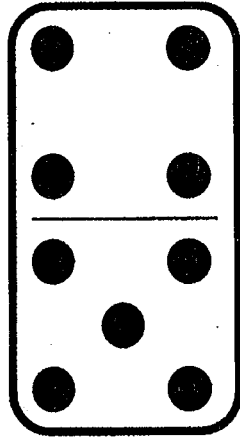
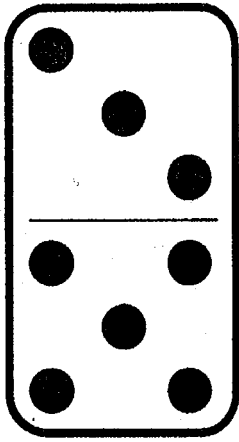
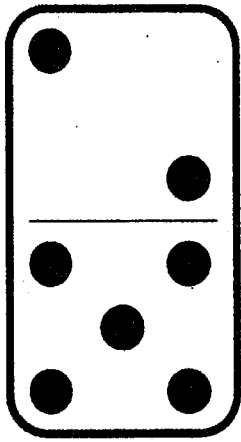
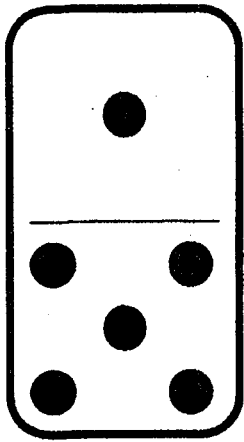
Base 10 Blocks - Cut along the dotted lines!

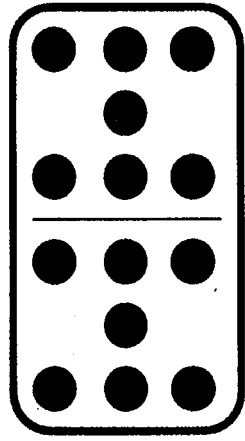
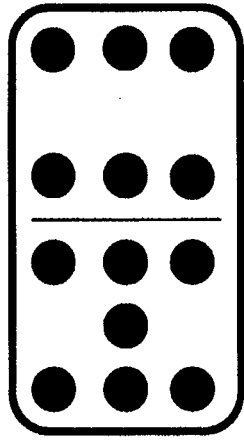
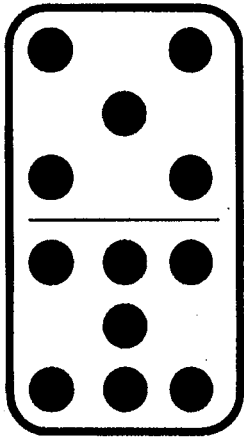
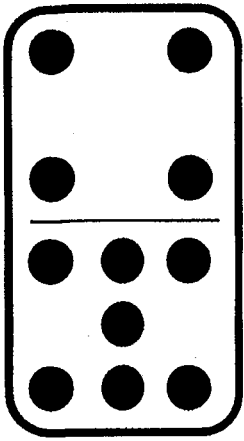
### Base 10 Blocks (tens, ones)



Dominoes







**Plus 2**

$$2 + 2$$

4

$$3 + 2$$

5

$$4 + 2$$

6

$$5 + 2$$

7

**Plus 2**

$6 + 2$

8

$7 + 2$

9

$8 + 2$

10

$9 + 2$

11

**Plus 2**

$$1 + 2$$

3

$$0 + 2$$

2

## Doubles

$1 + 1$

2

$2 + 2$

4

$3 + 3$

6

$4 + 4$

8



## Doubles

$5 + 5$

10

$6 + 6$

12

$7 + 7$

14

$8 + 8$

16

## Doubles

$$9 + 9$$

$$18$$

$$10 + 10$$

$$20$$

## Doubles Plus 1

$$1 + 2$$

3

$$2 + 3$$

5

$$3 + 4$$

7

$$4 + 5$$

9

## Doubles Plus 1

$5 + 6$

11

$6 + 7$

13

$7 + 8$

15

$8 + 9$

17

## Doubles Plus 2

$1 + 3$

4

$2 + 4$

6

$3 + 5$

8

$4 + 6$

10

## Doubles Plus 1

$9 + 10$

19

$10 + 11$

21

--

--

--

--

## Doubles Plus 2

$5 + 7$

12

$6 + 8$

14

$7 + 9$

16

$8 + 10$

18

## Doubles Plus 2

$9 + 11$

20

$10 + 12$

22

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# Math Websites

At the time this list was created, the websites listed were checked by teachers and deemed child appropriate. However, parents should always monitor their child's use of any Internet site. You can also Google many other online math games!

- [www.xtramath.org](http://www.xtramath.org)
- [www.xpmath.com](http://www.xpmath.com)
- [www.mathisfun.com](http://www.mathisfun.com)
- [www.funbrain.com](http://www.funbrain.com)
- <http://www.math-play.com/Middle-School-Math-Games.html>
- [www.multiplication.com](http://www.multiplication.com)
- [www.aaamath.com](http://www.aaamath.com)
- <https://sites.google.com/site/gameonlearning/math-middle-school-games>