SOUTHINGTON PUBLIC SCHOOLS

Alicia Naleway - District Curriculum Coordinator K-8 Math/K-5 Science
Southington Public Schools 860-628-3275 ext 14021

Southington Public Schools Summer Math: Entering Grades 1-5

Dear K-4 Families,



In an effort to provide your child with opportunities to practice the math skills and concepts taught during school this year, the district has put together a summer math option that includes a practice packet as well as options to continue using our online math program, *iReady*.

We have included a summer math log for your child to track their work over the summer. Each time your child completes a ***page in the summer packet*** or ***time on iReady,*** simply fill in one box on the log and have your child color it in.

We have set the following summer math goals for students:

Students entering grades 1 and 2
Goal: Complete a minimum of 10 boxes over the summer.

Students entering grades 3 and 4
Goal: Complete a minimum of 15 boxes over the summer.

Students entering grade 5
Goal: Complete a minimum of 20 boxes over the summer.

Directions for logging into *iReady* are included in this packet and can be found on the district website. Links to the summer math packets, as well as this letter are also available on the Southington Public Schools Website under *"Parents & Student, Summer Information."* You can also find additional summer math practice links and resources, such as the ***CT Governor's Math Challenge*** and ***Greg Tang's Summer Challenge*** on our website.

Upon returning to school in the fall, please have your child bring the ***"summer math log"*** to their classroom teacher. A certificate and pencil will be given to all students who meet their goals! Thank you for your anticipated support with summer math. Have a wonderful summer!

Sincerely,

Alicia Naleway

District Curriculum Coordinator
K-8 Math, K-5 Science

i-Ready Connect – Summer Math for students entering 1st-5th grade

Dear Parents, Families, and Guardians,

We are excited to share that our district is using **iReady Connect** during the summer months. iReady was used during the past school year for diagnostic and instructional purposes. This summer, we are able to offer students access to their pathway, which is completely individualized, and to the games. iReady will be available to students until the class rolls over in mid August.

My Path: iReady provides students with individualized online learning paths that support what we're working on in school and will help prevent that "summer slide."

Fluency Flight: for students going into grades 3-5 to practice and maintain addition, subtraction, multiplication, and division facts.

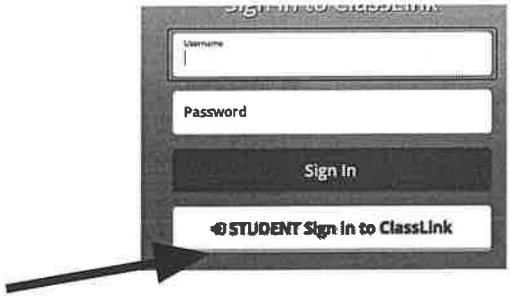
iReady Learning Games: Fun games to reinforce learning at home.

School-Issued Chromebook:

- Log into the school issued chromebook and navigate to Classlink.
- From there, on the classlink dashboard, they will be able to access iReady by clicking on the "iReady" icon.

Personal Desktop or laptop:

- To use iReady on a family device at home, sign into the Google Chrome browser with their Southington Public Schools account (*For students entering gr. 1-3-login directions with your child's username and password should have been sent home before the last day of school*)
- Once logged into Google Chrome, go to ClassLink: https://launchpad.classlink.com/southington
- Sign-in using the **WHITE** "Student sign in to ClassLink" button.



- You will need to enter your student's full Southington Public School's email and password *(For students entering gr. 1-3, login directions with your child's username and password should have been sent home before the last day of school*)
  - Ex. Username: eleanor.savelkoul@s.southingtonschools.org
    Password: s.1234567

Personal Tablet/Phone:

- To use iReady on a personal tablet, you will need to download the "ClassLink" app and the "iReady" app from the App Store or Play Store
- Launch the ClassLink app
    - If you see a blue/white screen with Username, Password, and School Code, *tap the back arrow in the upper left corner of the iPad screen*.
    - Find "Southington Public Schools" in the search.
    - When this login screen comes up, tap "Sign in with ADFS."
    - Enter the student's email address and password, (*For students entering gr. 1-3, login directions with your child's username and password should have been sent home before the last day of school*)
    - Tap on the iReady app in ClassLink. This will sign the student into the iReady app in the background.
- You can then access the student's My Path or Learning Games from there.

If your child has any technology related issues logging in, please contact the SPS Technology Department at (860) 628-3200 ext. 10360

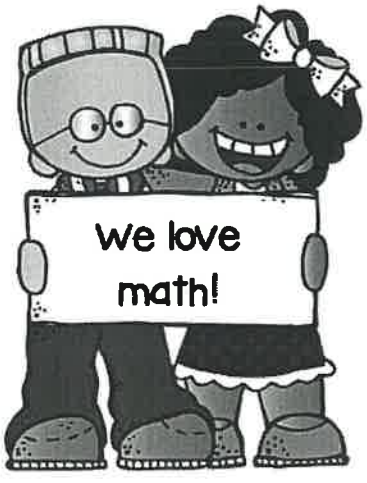
Southington Public Schools Summer Math Log

Student Name: _____ Grade Entering in Fall: _____

Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:
Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:
Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:
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Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:	Date: Page: Tech Time:

For each box above, please put the date, page number your child worked on in their summer math packet, and/or circle "tech time" if your child worked in iReady. Color in each box that is completed!

Please bring this log back to school in the fall for a certificate and a pencil.



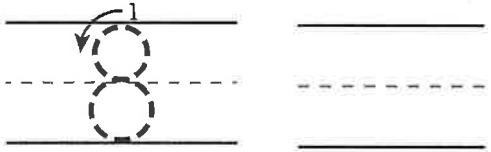
Counting and Writing to 8

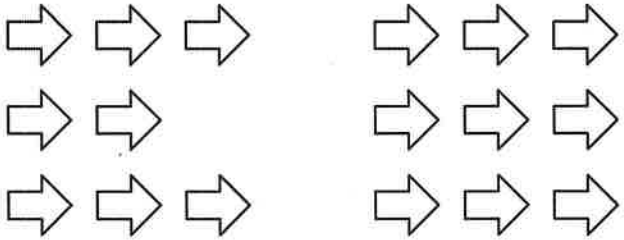
Name _____

Example

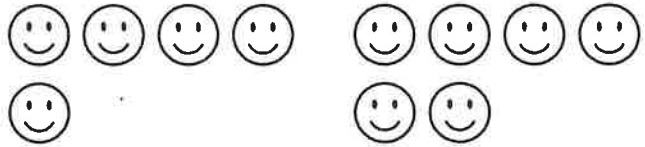












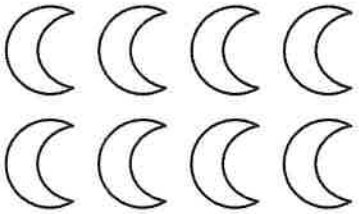
Have children practice writing 6, 7, and 8 and counting 6, 7, and 8 objects. Ask children to trace and then write the numeral at the beginning of each problem. Then have children color the group with that number of objects.

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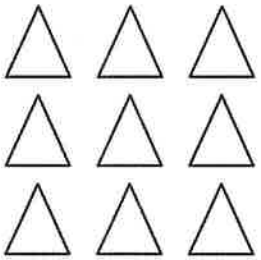
Counting and Writing to 8 *continued*

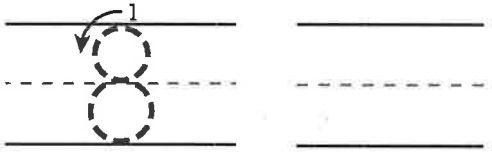
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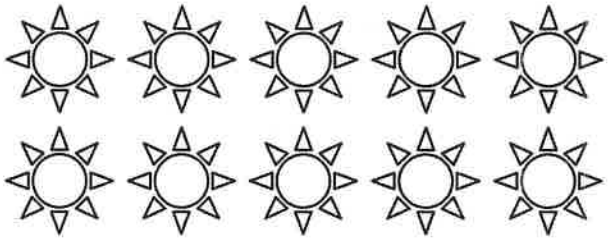














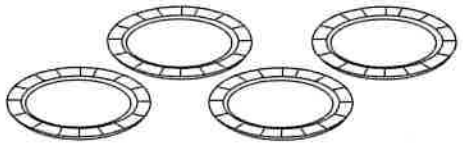
Have children practice writing 6, 7, and 8 and counting out 6, 7, or 8 objects. For each problem, ask children to trace and write the numeral shown. Then have children color that number of objects. In the last problem, have children trace and write 8 and then draw 8 shapes or objects.

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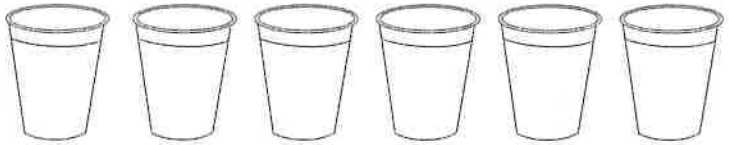
Understanding 1 More

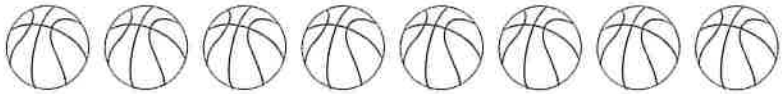
Name _____

Example



	1 More
4	5





Have children find 1 more than a group of objects. Have children count how many are in each group and write the number in the first column. Then have children draw 1 more object, count again, and write the number in the next column.

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Understanding 1 More *continued*

Name _____

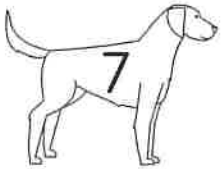
Example



1	2	3	4	5	6	7	8	9	10



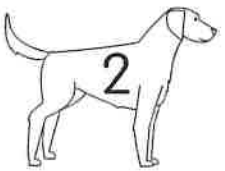
1	2	3	4	5	6	7	8	9	10



1	2	3	4	5	6	7	8	9	10



1	2	3	4	5	6	7	8	9	10



1	2	3	4	5	6	7	8	9	10

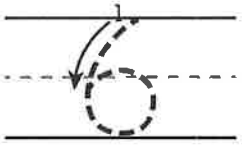
Have children use number paths to find 1 more than a number. Have children look at the number on the dog and then, starting at 1 on the number path, color all the way to that number. Have children circle the next number to show what is 1 more.

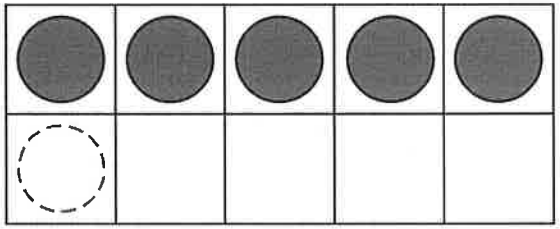
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Making 6 and 7

Name _____

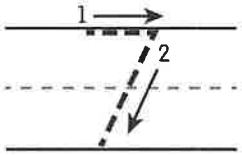
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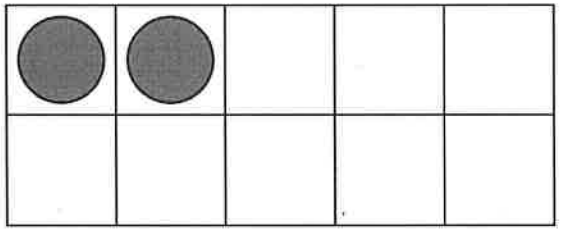




? 5

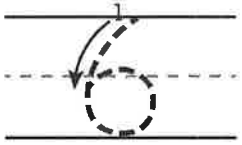
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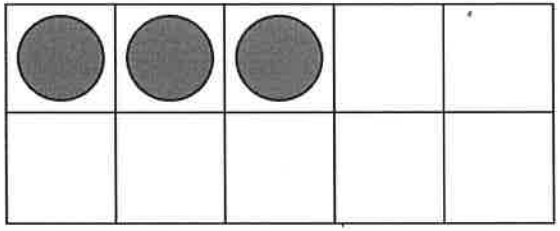




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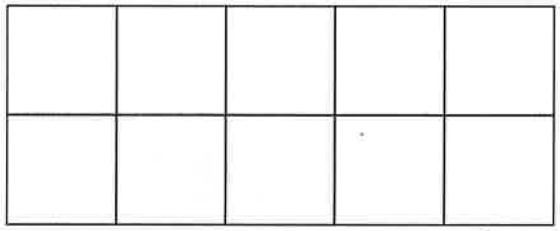
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Have children trace the numbers on the left and draw more counters in the 10-frames to show a total of 6 or 7. On the right, have children write the number of gray counters shown and the number of counters drawn to make the total.

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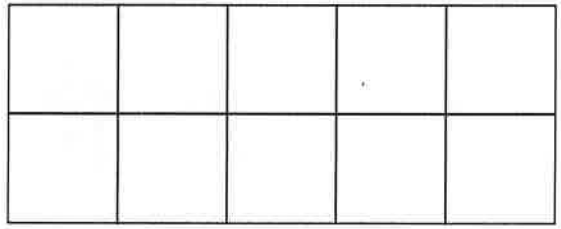
Making 6 and 7 *continued*

Name _____



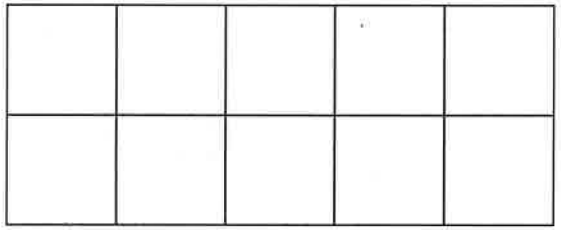
? 4

? 3



? 2

? 4



? 1

? 6

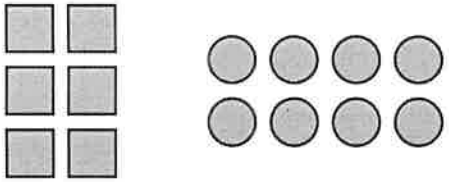
Have children show number pairs for 6 and 7 by drawing counters. Have children use the numbers shown to complete the model with two colors. Then have them write the total on the left.

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Comparing Within 10

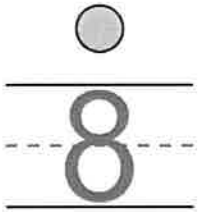
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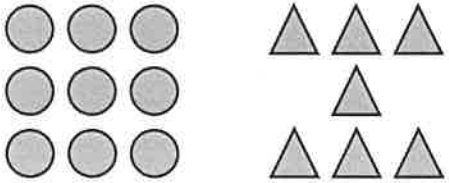
Example



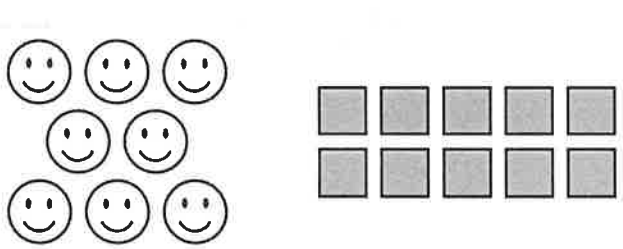


or





or



or

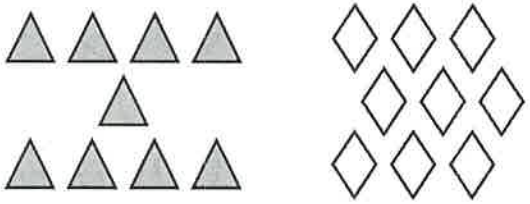
In each problem, have children compare the numbers of objects. Have children write how many are in each group and then circle the number that is less. If the groups have the same number, have children circle both numbers.

i-Ready

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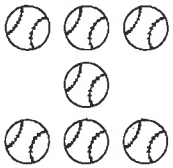
Comparing Within 10 *continued*

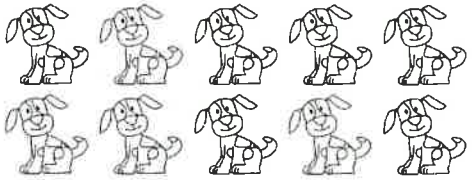
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_____ or _____

_____ or _____





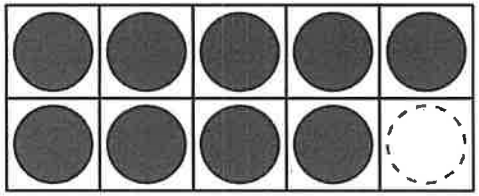
In each problem, have children compare the numbers of objects. Have children write how many are in each group and then circle the number that is less. If the groups have the same number, have children circle both numbers.

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Making 10

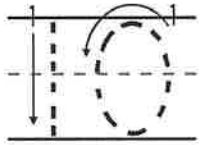
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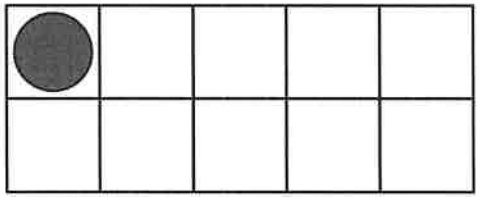
Example



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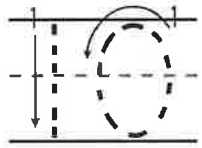
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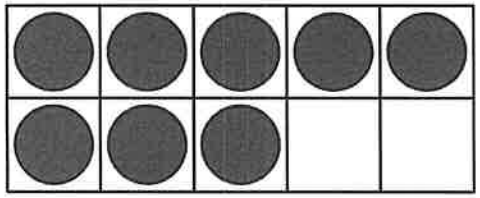




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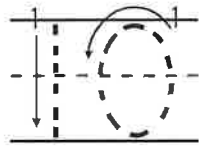
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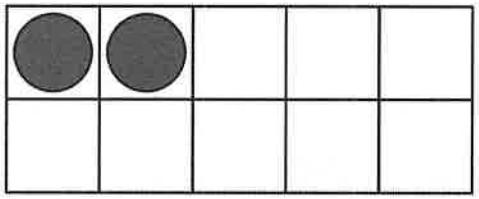
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Ask children to draw counters to finish each picture so that it shows 10. Have children write the number of dark gray counters and the number of counters that they drew. Finally, have children trace the numeral 10 to show the total.

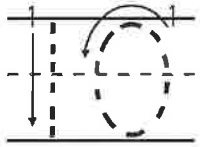
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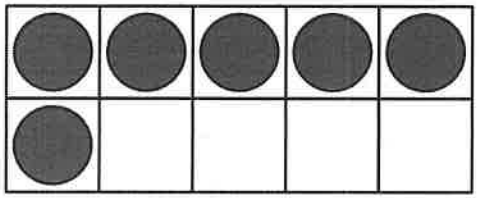
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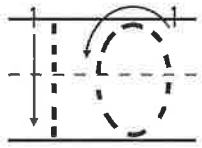


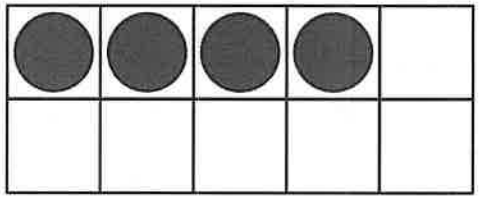






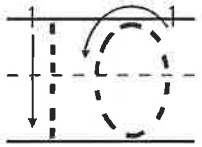












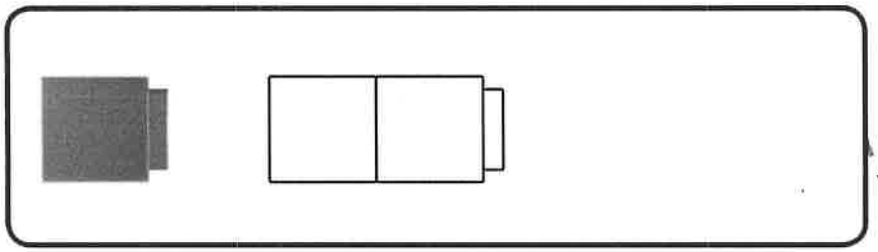
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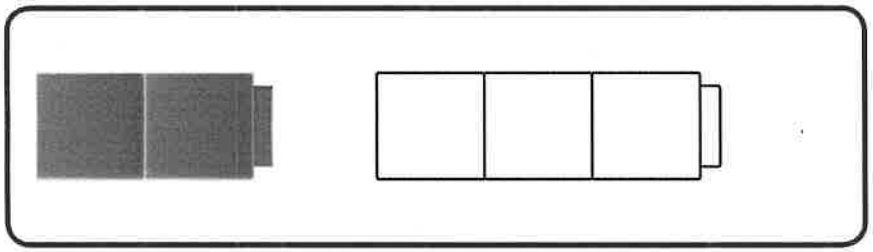
i-Ready

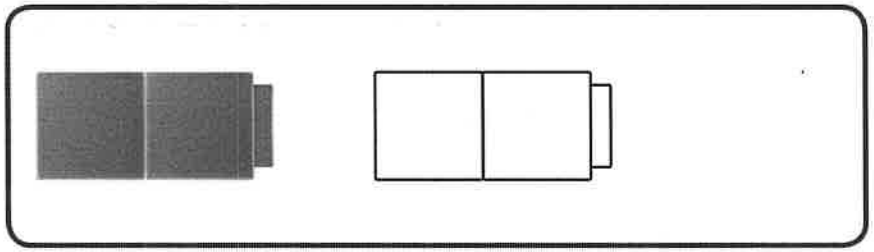
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Understanding Addition

Name _____







$2 + 3 = 5$

$2 + 2 = 4$

$1 + 2 = 3$

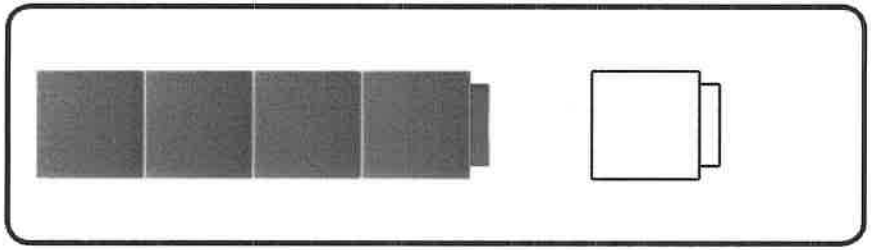
Have children match pictures to addition equations. Have children describe how many cubes are being added in each picture. Read each equation aloud together and discuss the meaning of each. Then have children draw lines to match each picture with its equation.

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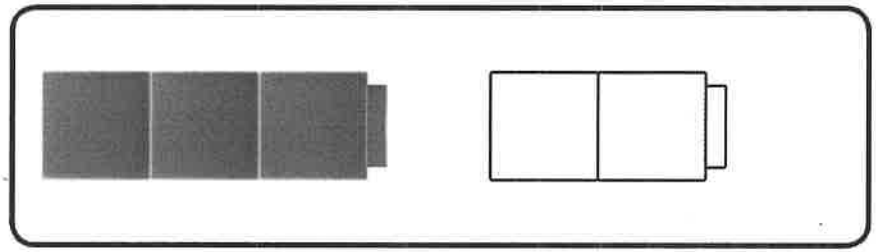
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Understanding Addition *continued*

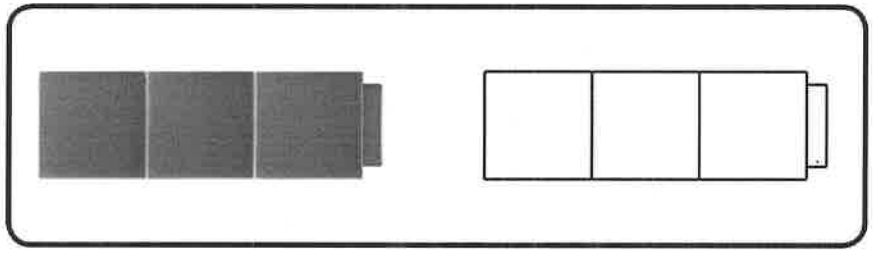
Name _____



$3 + 3 = 6$



$4 + 1 = 5$



$3 + 2 = 5$

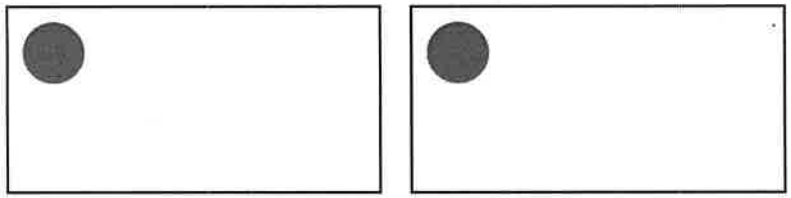
Have children match pictures to addition equations. Have children describe how many cubes are being added in each picture. Read each equation aloud together and discuss the meaning of each. Then have children draw lines to match each picture with its equation.

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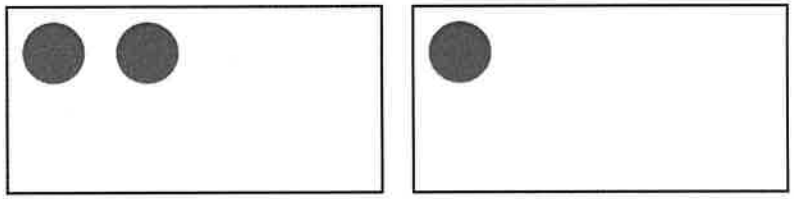
Adding Within 5

Name _____

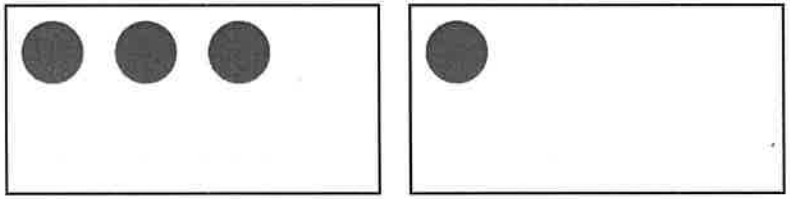
Example



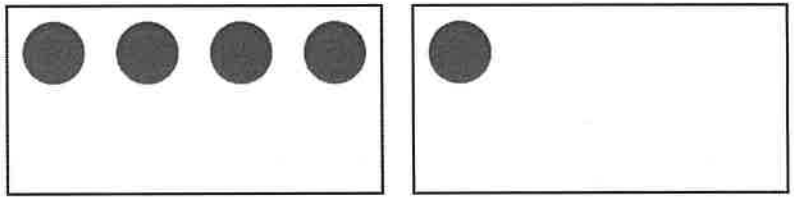
$1 + 1 = \underline{2}$



$2 + 1 =$ _____



$3 + 1 =$ _____



$4 + 1 =$ _____

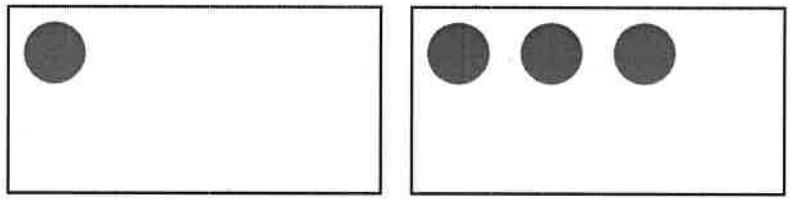
Ask children to write equations to match the dot cards. Have children write the total in each equation.

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Adding Within 5 *continued*

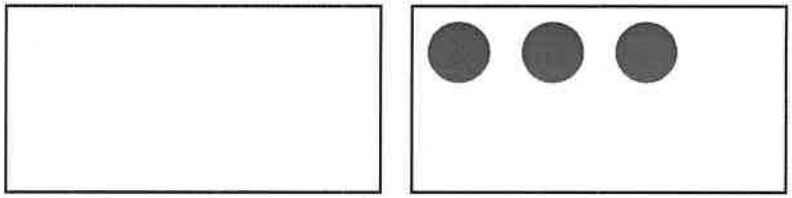
Name _____



_____

1 + 3 = _____

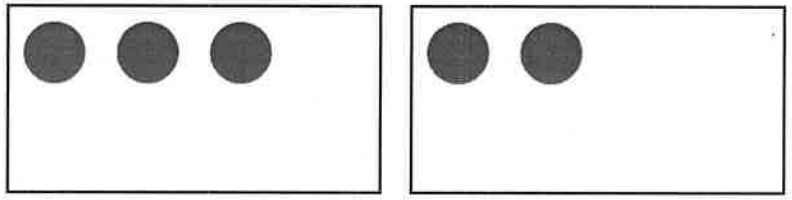
_____



_____

0 + 3 = _____

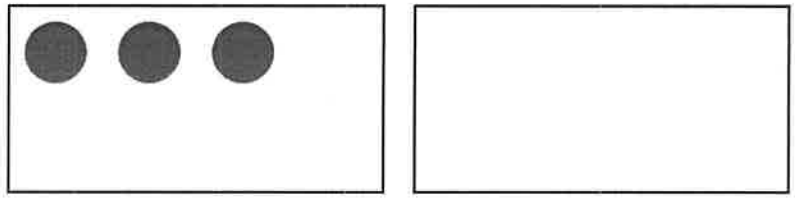
_____



_____

3 + 2 = _____

_____



_____

3 + 0 = _____

_____

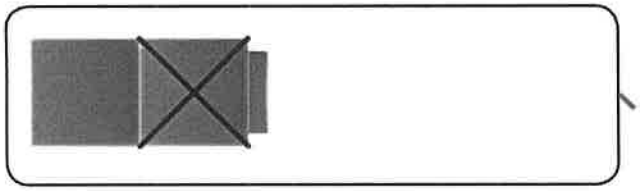
Ask children to write equations to match the dot cards. Have children write the total in each equation.

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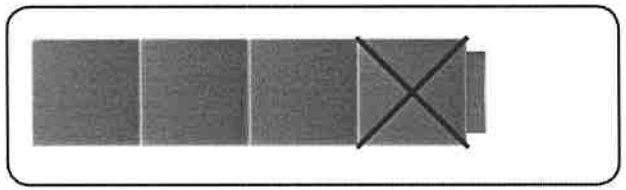
Understanding Subtraction

Name _____

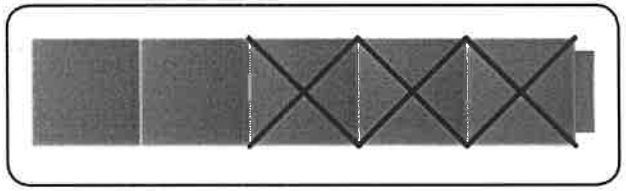
Example



$4 - 1 = 3$



$2 - 1 = 1$



$5 - 3 = 2$

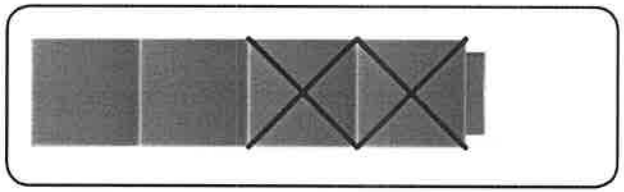
Ask children to match each picture with an equation. Discuss the number of cubes in each picture and how many are taken away. Read and discuss the meaning of each equation. Then have children draw lines to match.

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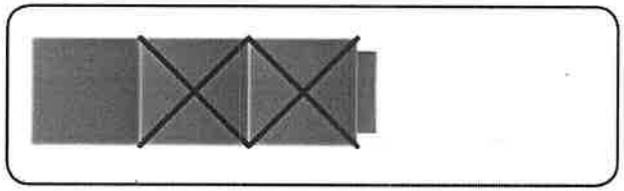
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Understanding Subtraction *continued*

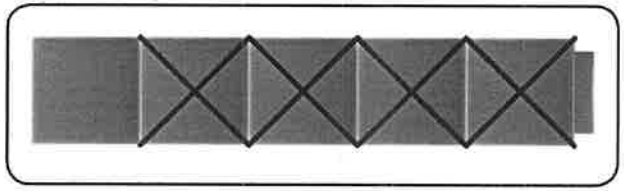
Name _____



$5 - 4 = 1$



$4 - 2 = 2$



$3 - 2 = 1$

Ask children to match each picture with an equation. Discuss the number of cubes in each picture and how many are taken away. Read and discuss the meaning of each equation. Then have children draw lines to match.

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Subtracting Within 5

Name _____

Example



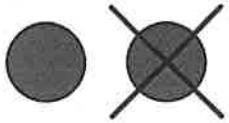
$5 - 1 = 4$



$3 - 1 =$ _____



$4 - 1 =$ _____



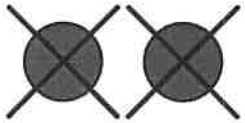
$2 - 1 =$ _____

Ask children to write equations to match the pictures. Have children write the answer to each subtraction equation.

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Subtracting Within 5 *continued*

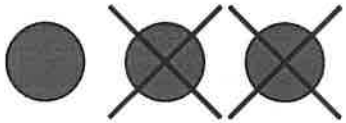
Name _____



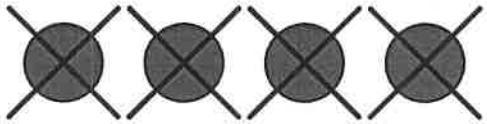
$2 - 2 = \frac{\quad}{\quad}$



$4 - 3 = \frac{\quad}{\quad}$



$3 - 2 = \frac{\quad}{\quad}$



$4 - 4 = \frac{\quad}{\quad}$

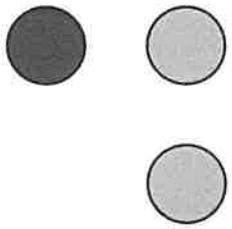
Ask children to write equations to match the pictures. Have children write the answer to each subtraction equation.

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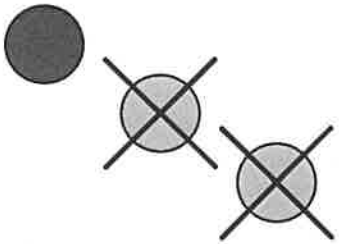
Facts to 5

Name _____

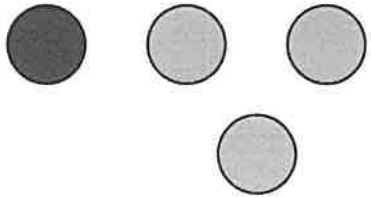
Example



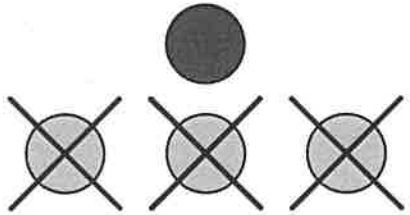
$1 + 2 =$ 3



$3 - 2 =$ _____



$1 + 3 =$ _____



$4 - 3 =$ _____

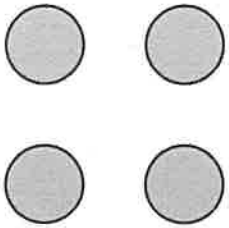
Have children use the picture to help complete each equation. Read each equation aloud together. Encourage children to compare the equations and look for patterns. For example, 1 + 2 = 3, so if you start with 3 and take away 2, you have 1 left.

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Facts to 5 *continued*

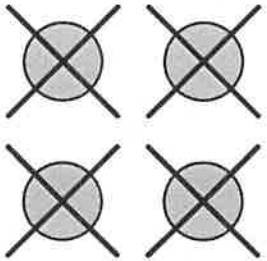
Name _____



_____

0 + 4 = _____

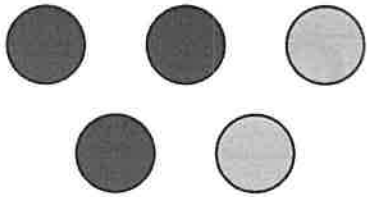
_____



_____

4 − 4 = _____

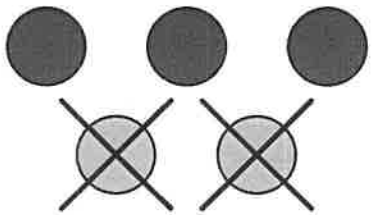
_____



_____

3 + 2 = _____

_____



_____

5 − 2 = _____

_____

Have children use the picture to help complete each equation. Read each equation aloud together. Encourage children to compare the equations and look for patterns. For example, 1 + 2 = 3, so if you start with 3 and take away 2, you have 1 left.

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