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.

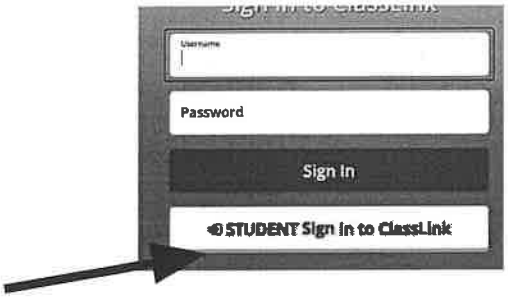
iReady Learning Games: Fun games to reinforce learning at home.

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

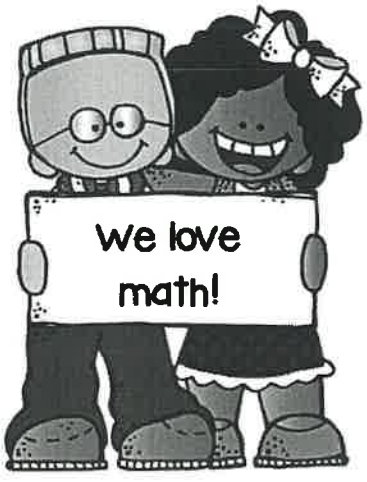
Southington Public Schools Summer Math Log

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:
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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.

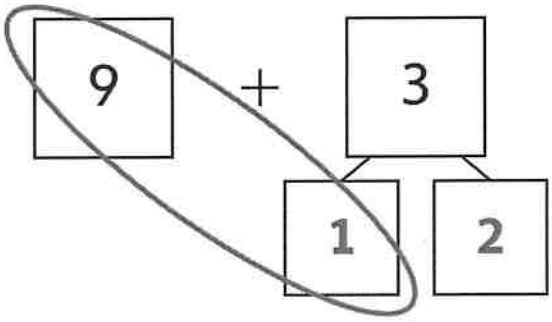


Making a Ten to Add

Name _____

Fill in the number bonds to make a ten.

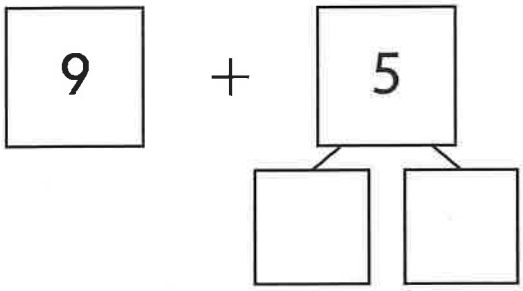
1 Find 9 + 3.



10 + 2 = ____

9 + 3 = ____

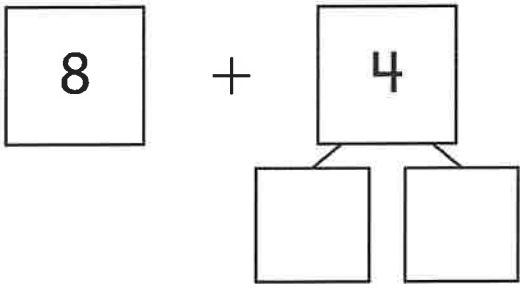
2 Find 9 + 5.



10 + 4 = ____

9 + 5 = ____

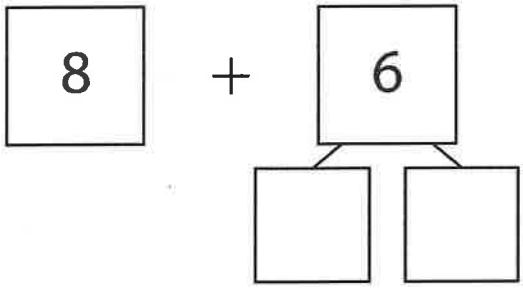
3 Find 8 + 4.



10 + 2 = ____

8 + 4 = ____

4 Find 8 + 6.



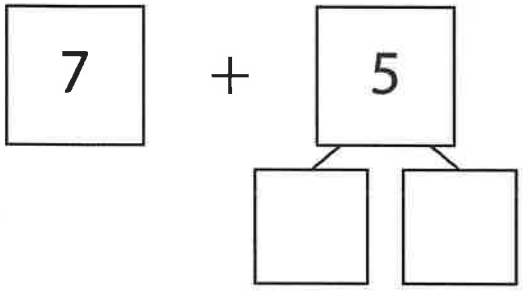
10 + 4 = ____

8 + 6 = ____

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Name _____

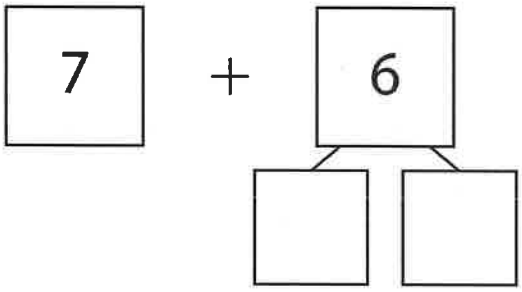
5 Find 7 + 5.



10 + 2 = ____

7 + 5 = ____

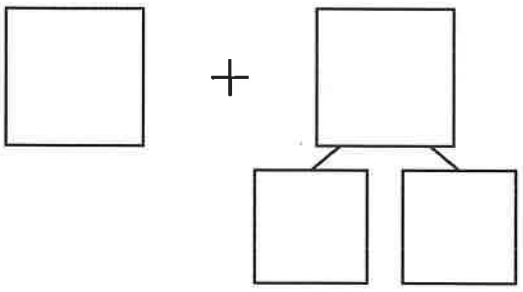
6 Find 7 + 6.



10 + 3 = ____

7 + 6 = ____

7 Find 7 + 4.



10 + 1 = ____

7 + 4 = ____

Discuss It

How does making a ten help you add two numbers?

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Understanding of Missing Addends

Name _____

Use addition to help you subtract.

1 Find $6 - 5$.

$5 + \underline{1} = 6$

$6 - 5 = ____$

2 Find $7 - 6$.

$6 + ____ = 7$

$7 - 6 = ____$

3 Find $5 - 2$.

$2 + ____ = 5$

$5 - 2 = ____$

4 Find $6 - 4$.

$4 + ____ = 6$

$6 - 4 = ____$

5 Find $8 - 4$.

$4 + ____ = 8$

$8 - 4 = ____$

6 Find $9 - 7$.

$7 + ____ = 9$

$9 - 7 = ____$

7 Write an addition equation that helps you find $6 - 3$. Then complete the subtraction equation.

$____ + ____ = ____$

$6 - 3 = ____$

Discuss It

How can an addition equation help you solve a subtraction equation?

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Name _____

Example

Find 5 − 3.

Start at 3. Count on to 5.

1	2	3	4	5	6	7	8	9	10

3 + 2 = 5 5 − 3 = 2

1 Find 6 − 4.

1	2	3	4	5	6	7	8	9	10

4 + ____ = 6 6 − 4 = ____

2 Find 7 − 3.

1	2	3	4	5	6	7	8	9	10

3 + ____ = 7 7 − 3 = ____

3 Find 8 − 6.

1	2	3	4	5	6	7	8	9	10

6 + ____ = 8 8 − 6 = ____

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Name _____

4 Find 9 − 8.

1	2	3	4	5	6	7	8	9	10

8 + _____ = 9 9 − 8 = _____

5 Find 6 − 5.

1	2	3	4	5	6	7	8	9	10

5 + _____ = 6 6 − 5 = _____

6 Find 9 − 4.

1	2	3	4	5	6	7	8	9	10

4 + _____ = 9 9 − 4 = _____

7 Find 8 − 2.

1	2	3	4	5	6	7	8	9	10

2 + _____ = 8 8 − 2 = _____

Discuss It

How is solving 6 − 4 the same as solving 9 − 4? How is it different?

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Making a Ten to Subtract

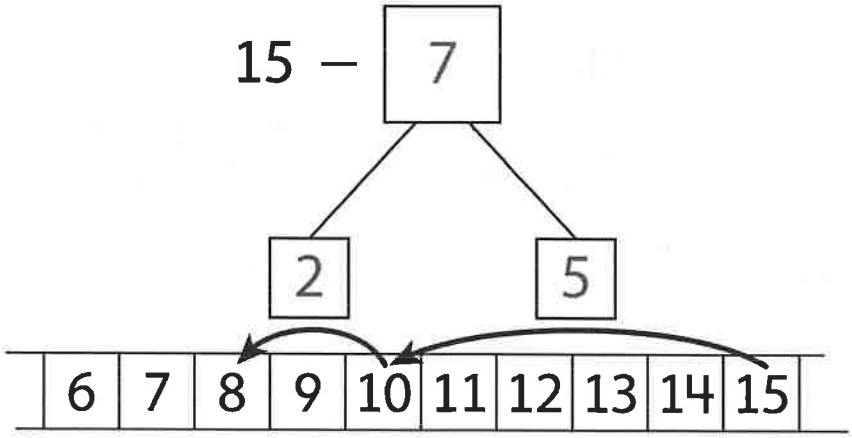
Name _____

1 Find 15 − 7.

15 − 5 = 10

10 − 2 = 8

15 − 7 = ____

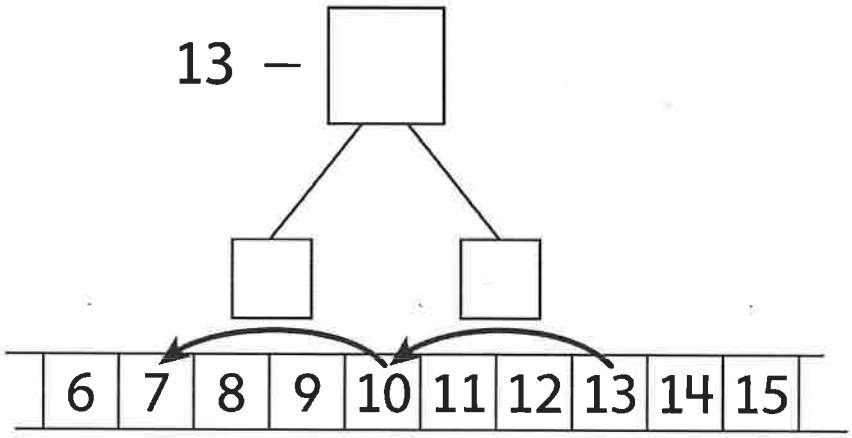


2 Find 13 − 6.

13 − ____ = 10

10 − 3 = ____

13 − 6 = ____

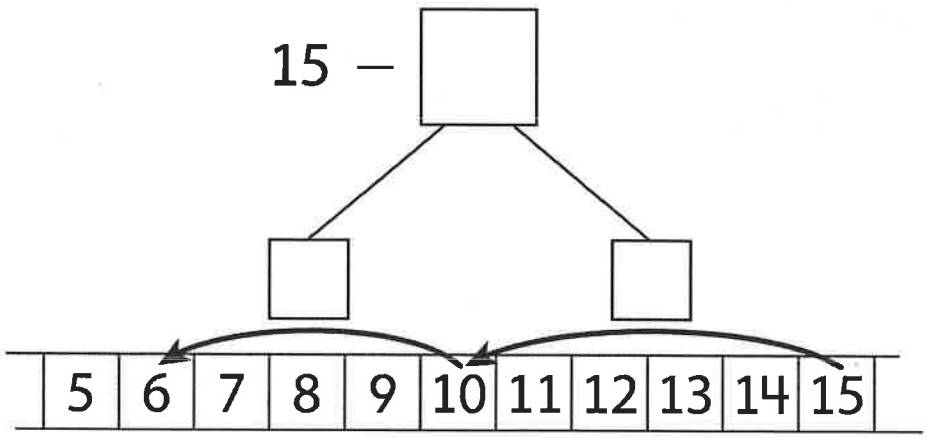


3 Find 15 − 9.

15 − ____ = 10

10 − 4 = ____

15 − 9 = ____



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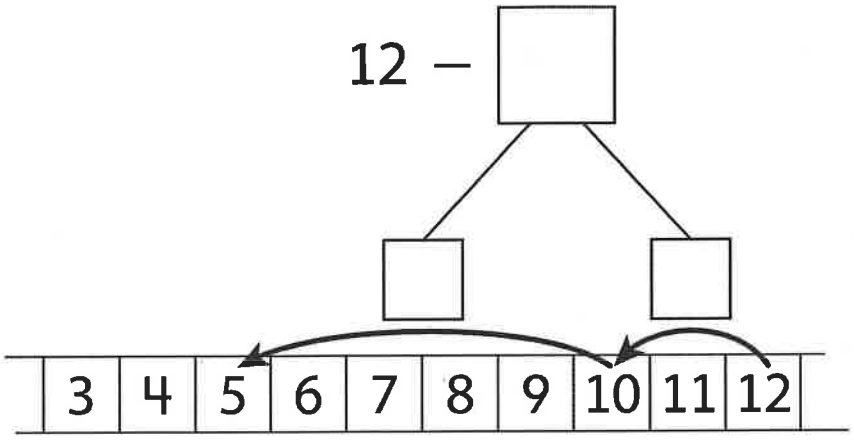
Name _____

4 Find 12 − 7.

12 − ____ = 10

10 − 5 = ____

12 − 7 = ____

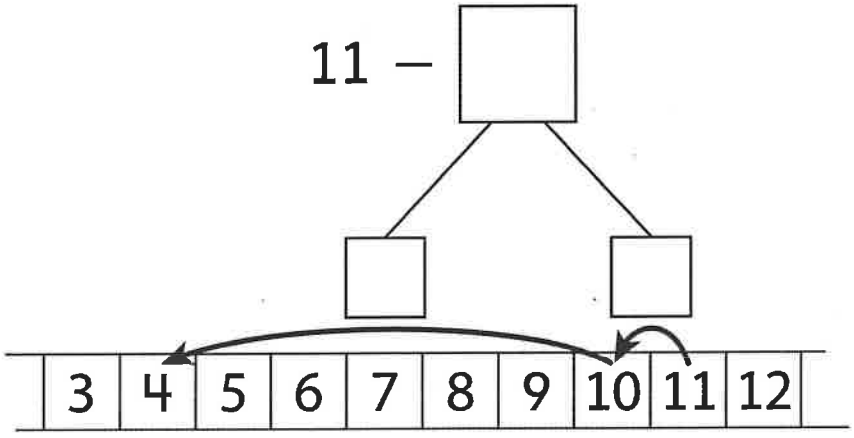


5 Find 11 − 7.

11 − ____ = 10

10 − 6 = ____

11 − 7 = ____

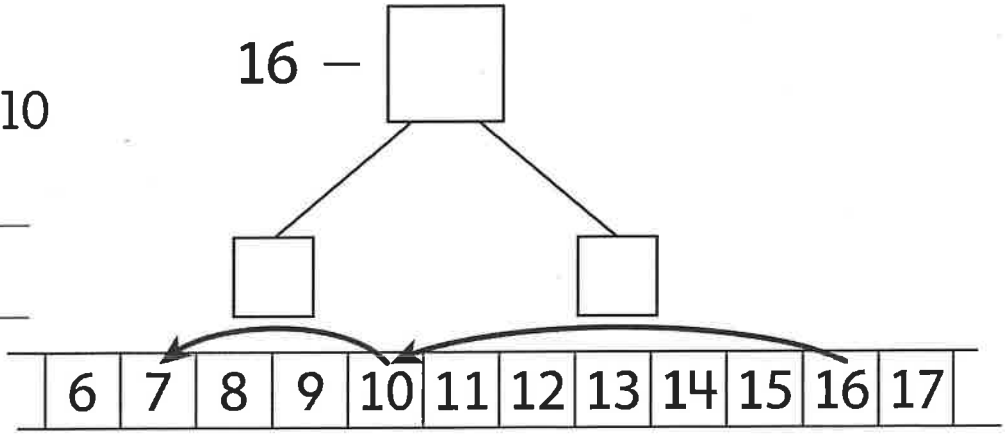


6 Find 16 − 9.

16 − ____ = 10

10 − 3 = ____

16 − 9 = ____



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Name _____

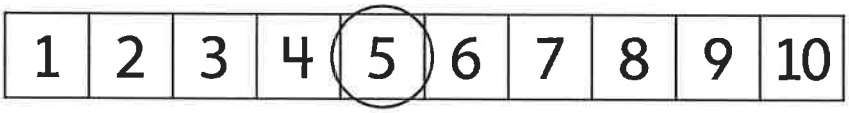
Solve each problem.

1 Marai sees 8 dogs at the park.

Some dogs go home.

Now Marai sees 5 dogs.

How many dogs go home?



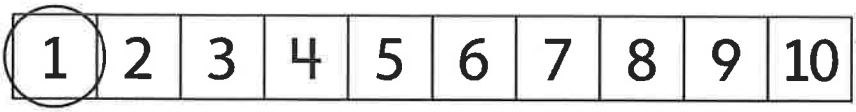
$5 + ____ = 8$ $8 - ____ = 5$

_____ dogs go home.

2 Ben has 7 hats. 1 hat is red.

The rest are blue.

How many hats are blue?



$7 = 1 + ____$ $7 - ____ = 1$

_____ hats are blue.

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Name _____

3 Asia has 7 books. She buys more books.

Now Asia has 9 books.

How many books does she buy?

1	2	3	4	5	6	7	8	9	10

$7 + ____ = 9$ $\quad\quad$ $9 - ____ = 7$

Asia buys _____ books.

4 Jake has 8 games. He gives some away.

Now he has 3 games.

How many games does Jake give away?

1	2	3	4	5	6	7	8	9	10

$3 + ____ = 8$ $\quad\quad$ $8 - ____ = 3$

Jake gives _____ games away.

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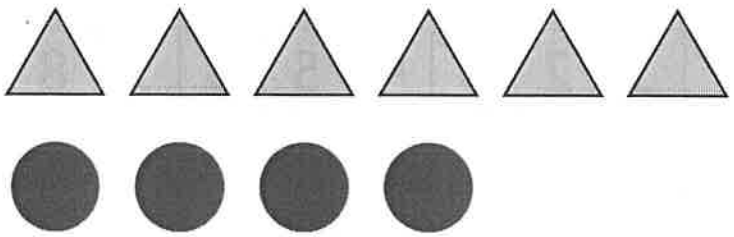
Name _____

Solve the subtraction problems.

1 There are 6 triangles. There are 4 circles.
How many more triangles are there?

$6 - 4 =$ ____

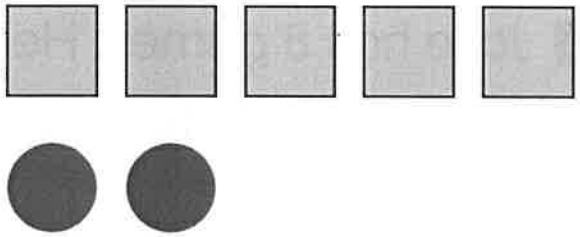
____ more triangles



2 There are 5 squares. There are 2 circles.
How many more squares are there?

$5 - 2 =$ ____

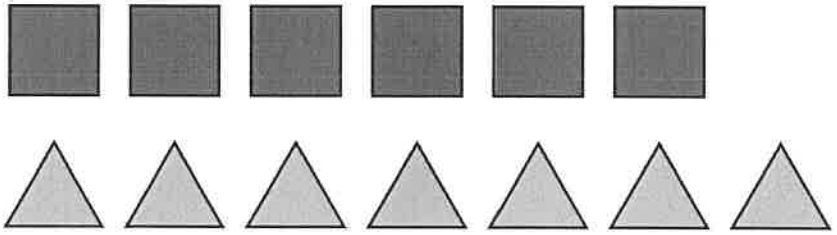
____ more squares



3 There are 7 triangles. There are 6 squares.
How many more triangles are there?

$7 - 6 =$ ____

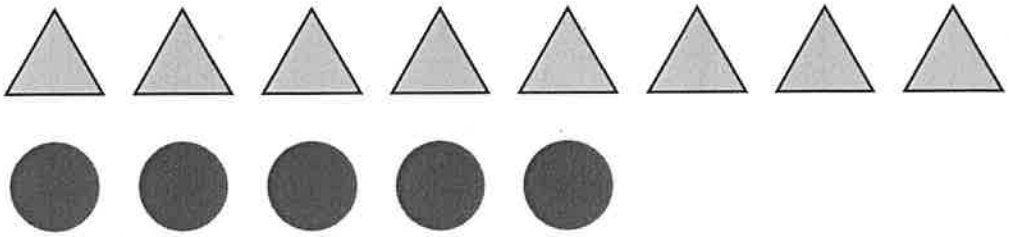
____ more triangle



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Name _____

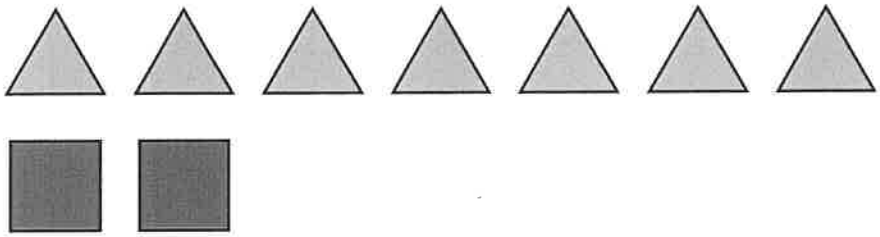
4 There are 8 triangles and 5 circles.
How many fewer circles than triangles are there?



8 − 5 = ____

____ fewer triangles

5 There are 2 squares and 7 triangles.
How many fewer squares than triangles are there?



7 − 2 = ____

____ fewer squares

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Name _____

Choose a number from the box to complete the equation.

Example

0	1	2

$2 + 0 = \underline{1} + 1$

1

0	1	2

$2 + 1 = 1 + ____$

2

1	2	3

$3 + 2 = ____ + 3$

3

1	2	3

$3 + 2 = 4 + ____$

4

0	1	2

$6 + 0 = 5 + ____$

5

4	5	6

$3 + 3 = ____ + 0$

6

2	3	4

$4 + 3 = 5 + ____$

7

0	1	2

$6 + 1 = 7 + ____$

8

1	2	3

$4 + 4 = 5 + ____$

9

0	1	2

$1 + 8 = 7 + ____$

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Finding Totals Greater Than 10

Name _____

Add.

1. $9 + 3 = \underline{12}$
2. $3 + 9 = ____$
3. $8 + 6 = ____$
4. $6 + 8 = ____$
5. $4 + 9 = ____$
6. $5 + 7 = ____$
7. $6 + 7 = ____$
8. $7 + 8 = ____$
9. $10 + 9 = ____$
10. $9 + 8 = ____$
11. $6 + 3 + 4 = ____$
12. $5 + 9 + 1 = ____$

Discuss It

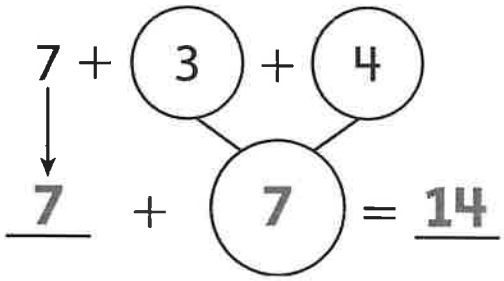
Explain how you solved Problem 11.

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Adding Three Numbers

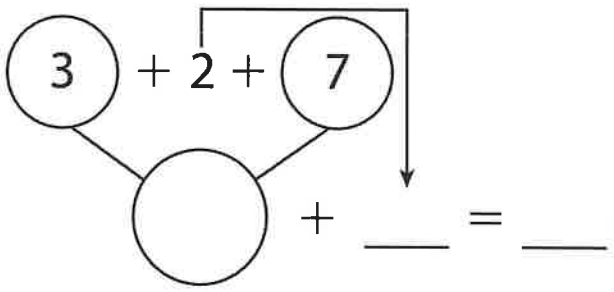
Name _____

1 Find 7 + 3 + 4.



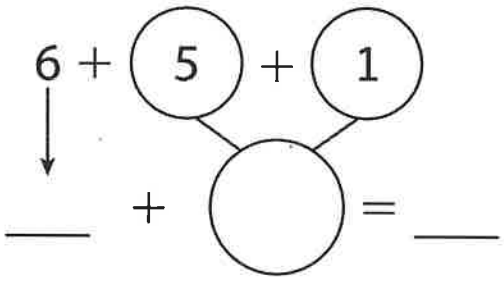
7 + 3 + 4 = 14

2 Find 3 + 2 + 7.



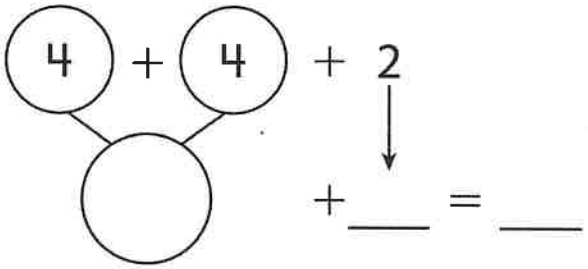
3 + 2 + 7 = ____

3 Find 6 + 5 + 1.



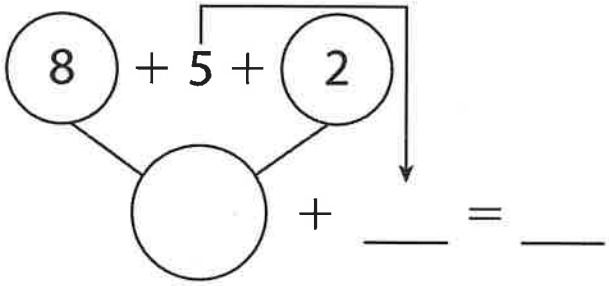
6 + 5 + 1 = ____

4 Find 4 + 4 + 2.



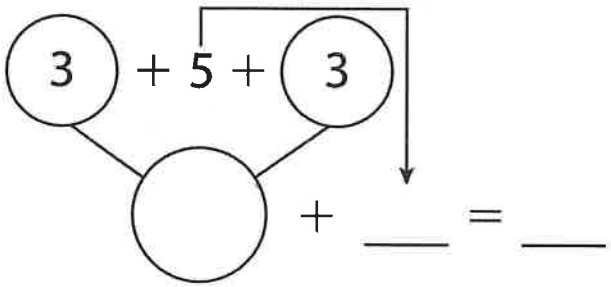
4 + 4 + 2 = ____

5 Find 8 + 5 + 2.



8 + 5 + 2 = ____

6 Find 3 + 5 + 3.

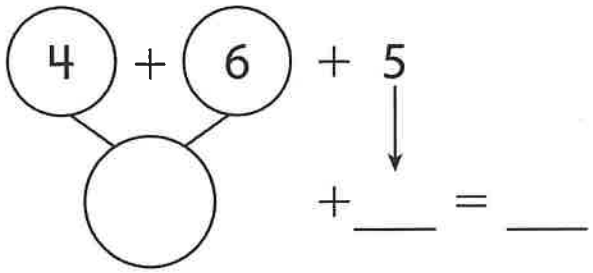


3 + 5 + 3 = ____

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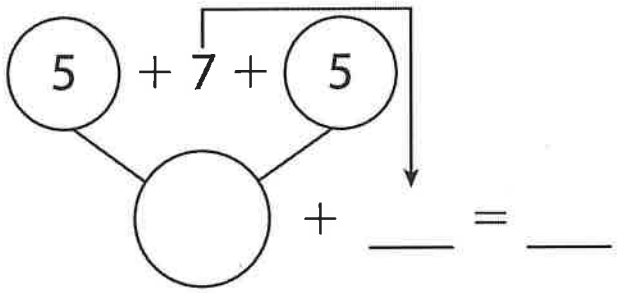
Name _____

7 Find 4 + 6 + 5.



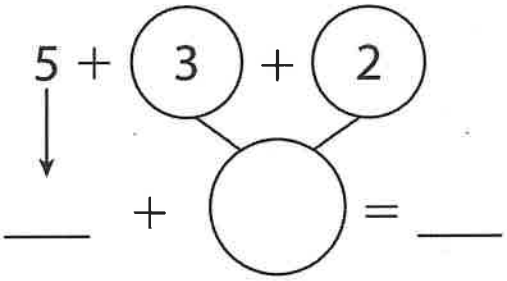
4 + 6 + 5 = _____

8 Find 5 + 7 + 5.



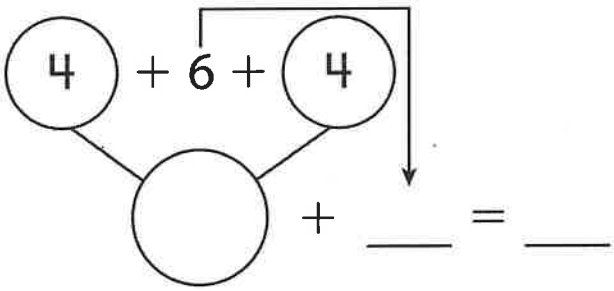
5 + 7 + 5 = _____

9 Find 5 + 3 + 2.



5 + 3 + 2 = _____

10 Find 4 + 6 + 4.



4 + 6 + 4 = _____

11 When solving 4 + 6 + 4, Ava adds 4 + 6 first. Rico adds 4 + 4 first. Who is correct? Why?

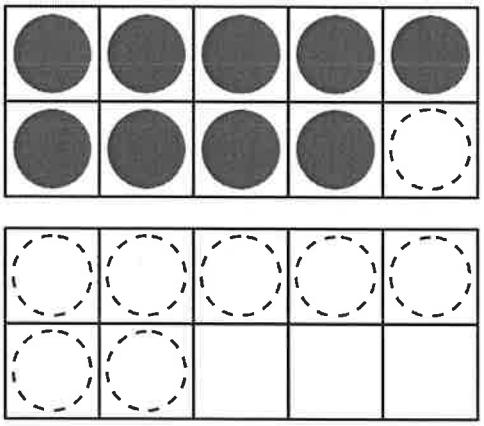
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Finding the Unknown Number

Name _____

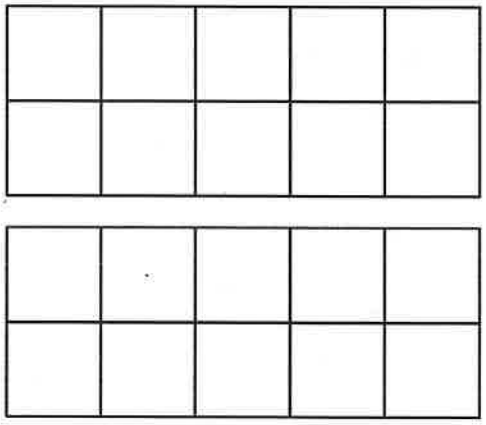
1 Find the missing number.

$17 - ____ = 9$



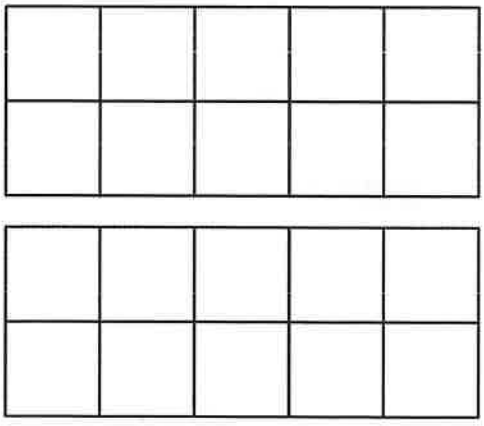
2 Find the missing number.

$____ - 8 = 5$



3 Find the missing number.

$15 - ____ = 6$

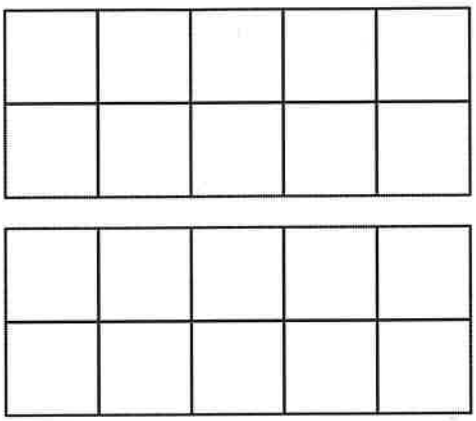


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Name _____

4 Find the missing number.

$7 = ____ - 7$



5 Find the missing number.

$8 = 12 - ____$

6 Find the missing number.

$____ - 9 = 9$

7 Find the missing number.

$16 - ____ = 7$

8 Find the missing number.

$15 - ____ = 8$

9 Find the missing number.

$5 = ____ - 9$

10 Find the missing number.

$____ - 7 = 10$

Discuss It

11 How did you use the 10-frames to find the missing number in Problem 4?

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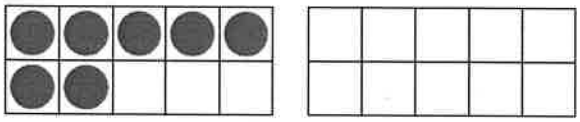
Solving Word Problems to 20

Name _____

1 Amy has some crayons.

She finds 7 more crayons.
Now she has 18 crayons.

How many crayons did she have at the start?



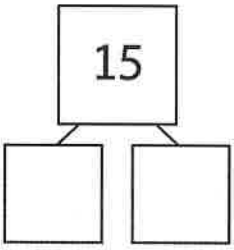
11 + 7 = 18

_____ crayons

2 There are 15 fish in a tank.

7 of the fish are orange.
The rest are white.

How many are white?



15 − _____ = _____

_____ white fish

3 Marco has 16 flowers.

He gives some to Alex.
Now Marco has 8 flowers.

How many did he give to Alex?

16 − _____ = _____

_____ flowers

4 There are 12 bagels in a box.

Some bagels are eaten.
Now there are 4 bagels.

How many bagels were eaten?

12 − _____ = _____

_____ bagels

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Name _____

5 Mica eats 4 fewer pretzels than Wyatt.

Wyatt eats 14 pretzels.

How many pretzels did Mica eat?

_____ − _____ = _____

_____ pretzels

6 Pete reads for 9 minutes.

The next day he reads for 6 minutes.

How many minutes did he read altogether?

_____ + _____ = _____

_____ minutes

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