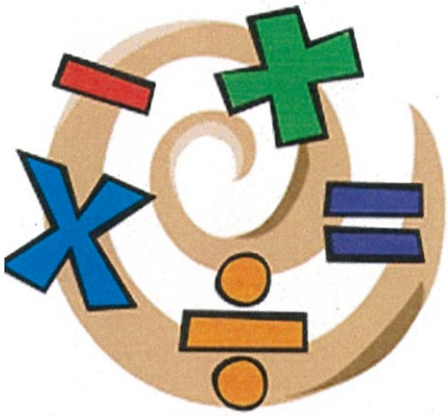
YONKERS PUBLIC SCHOOLS

DIVISION OF EQUITY AND ACCESS - Curriculum, Instruction, and School Supervision

"Without mathematics, there's nothing you can do. Everything around you is mathematics. Everything around you is numbers." ~ Shakuntala Devi

Work your math muscles in July and August!



Practicing Math Fluency Skills

Grade 1

Dear Parent(s)/Guardian,

Please have your child complete 1 – 3 practice assignments per week. Upon completion, please visit our Summer Learning District Website to obtain the answers and check your child's work. In addition to this packet, you will find additional resources for your youngster on our website. Feel free to contact Dr. Pemberton at cpemberton@yonkerspublicschools.org with any questions.
Happy Numerical Learning!

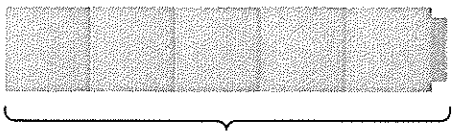
Grade 1 Math concepts covered in this packet

Concept	Practice	Fluency and Skills Practice	
Using Strategies to Add	1	Counting On to Add	3
	2	Using Doubles and Near Doubles	5
	3	Adding in Any Order with Near Doubles	7
	4	Making a Ten to Add	9
Using Strategies to Subtract	5	Understanding of Missing Addends	11
	6	Counting On to Subtract	12
	7	Making a Ten to Subtract	14
Understanding Addition and Subtraction	8	Number Partners for 10	16
	9	Adding and Subtracting in Word Problems	18
	10	Subtracting to Compare in Word Problems	20
	11	Understanding of True and False Equations	22
Understanding Place Value	12	Understanding of Teen Numbers	23
Adding and Subtracting within 20	13	Finding Totals Greater Than 10	25
	14	Adding Three Numbers	26
	15	Finding the Unknown Number	28
	16	Solving Word Problems to 20	30

Name _____

Count on to add.

Example

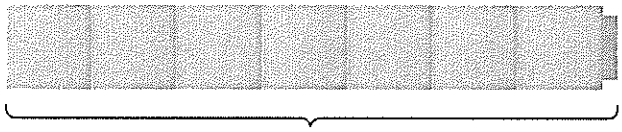


5

6, 7

5 + 2 = 7

1

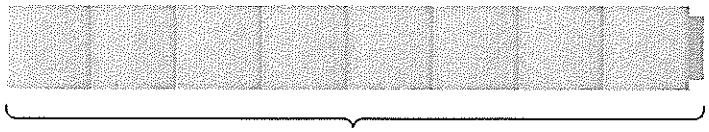


7

____

7 + 1 = ____

2



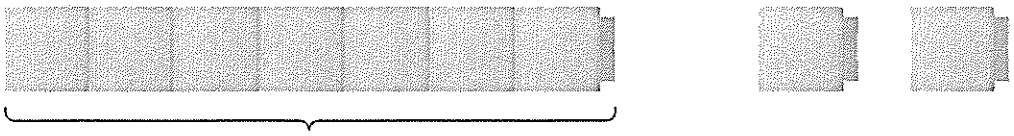
8

____, ____

8 + 2 = ____

Name _____

3

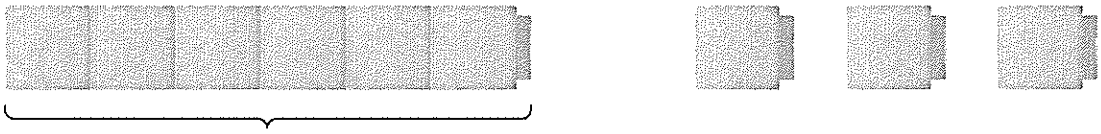


7

_____, _____

7 + 2 = _____

4



6

_____, _____, _____

6 + 3 = _____

Discuss It

Did you always start at 1 when you counted? Explain.

 Name _____

Use what you know about doubles to solve.

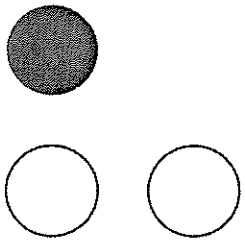
Example

1 black sticker. 1 white sticker.
How many stickers in all?

1 + 1 = 2

2 stickers

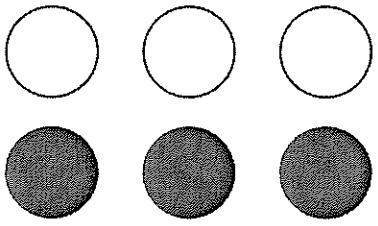
1 1 black sticker. 2 white stickers.
How many stickers in all?



1 + 2 = _____

_____ stickers

2 3 white stickers. 3 black stickers.
How many stickers in all?

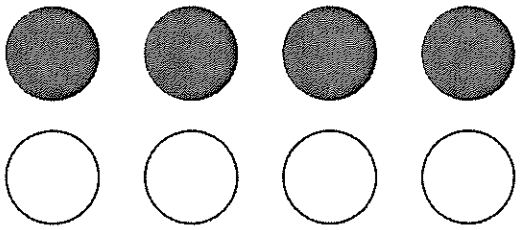


3 + 3 = _____

_____ stickers

Name _____

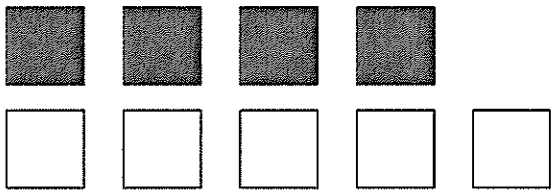
3 4 black stickers. 4 white stickers.
How many stickers in all?



4 + 4 = ____

____ stickers

4 4 black squares.
5 white squares.
How many squares in all?



4 + 5 = ____

____ squares

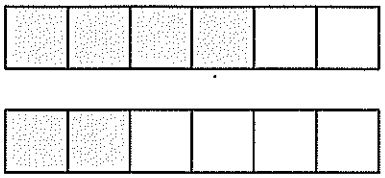
Discuss It

How is 3 + 3 like 3 + 4? How is it different?

Name _____

Use the blocks. Complete the addition equations.

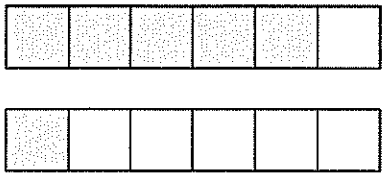
Example



$4 + \underline{2} = 6$

$2 + \underline{4} = 6$

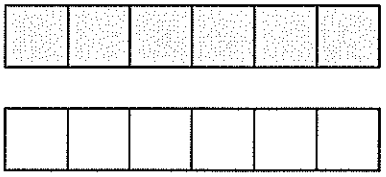
1



$5 + \_\_\_\_ = 6$

$1 + \_\_\_\_ = 6$

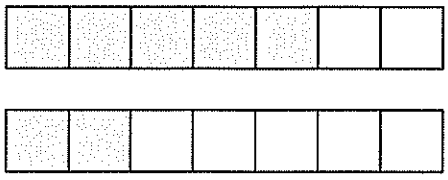
2



$6 + \_\_\_\_ = 6$

$0 + \_\_\_\_ = 6$

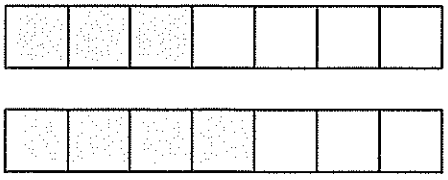
3



$5 + \_\_\_\_ = 7$

$2 + \_\_\_\_ = 7$

4



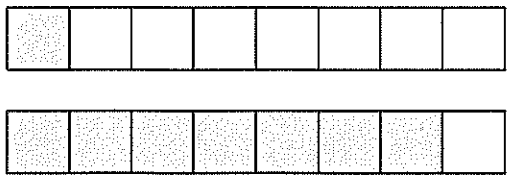
$3 + \_\_\_\_ = 7$

$4 + \_\_\_\_ = 7$

Adding in Any Order with Near Doubles *continued*

Name _____

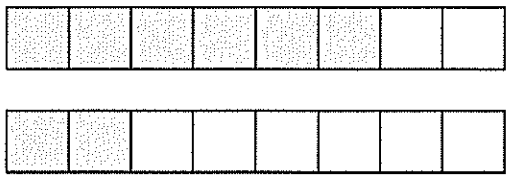
5



$1 + \_\_\_\_ = 8$

$7 + \_\_\_\_ = 8$

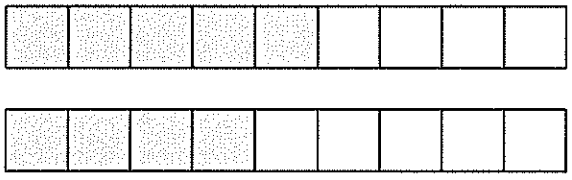
6



$6 + \_\_\_\_ = 8$

$2 + \_\_\_\_ = 8$

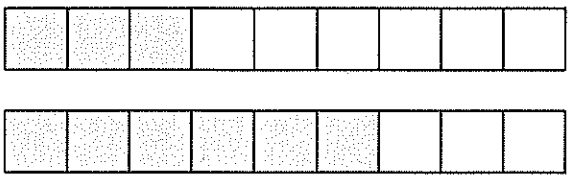
7



$5 + \_\_\_\_ = 9$

$4 + \_\_\_\_ = 9$

8



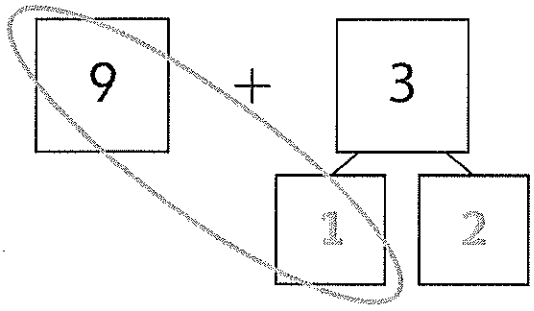
$3 + \_\_\_\_ = 9$

$6 + \_\_\_\_ = 9$

Name _____

Fill in the number bonds to make a ten.

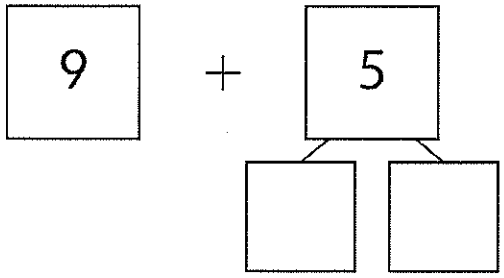
1 Find 9 + 3.



10 + 2 = _____

9 + 3 = _____

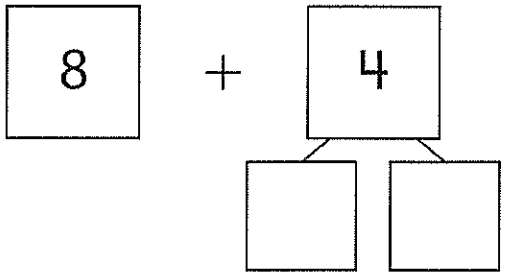
2 Find 9 + 5.



10 + 4 = _____

9 + 5 = _____

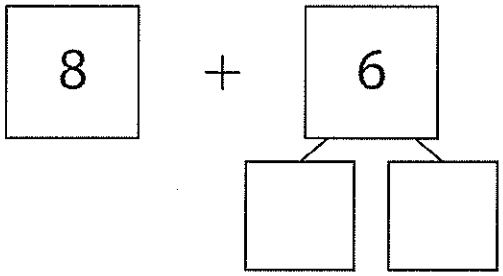
3 Find 8 + 4.



10 + 2 = _____

8 + 4 = _____

4 Find 8 + 6.

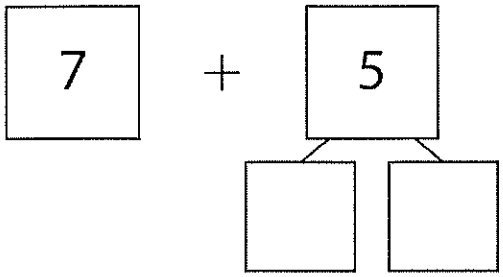


10 + 4 = _____

8 + 6 = _____

Name _____

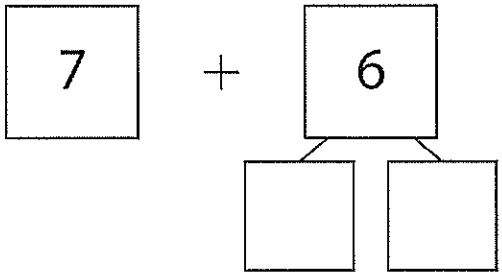
5 Find 7 + 5.



10 + 2 = ____

7 + 5 = ____

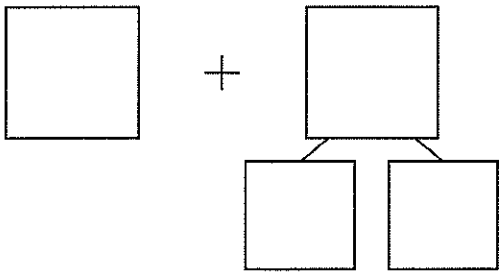
6 Find 7 + 6.



10 + 3 = ____

7 + 6 = ____

7 Find 7 + 4.



10 + 1 = ____

7 + 4 = ____

Discuss It

How does making a ten help you add two numbers?

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?

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 = ____

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?

Making a Ten to Subtract

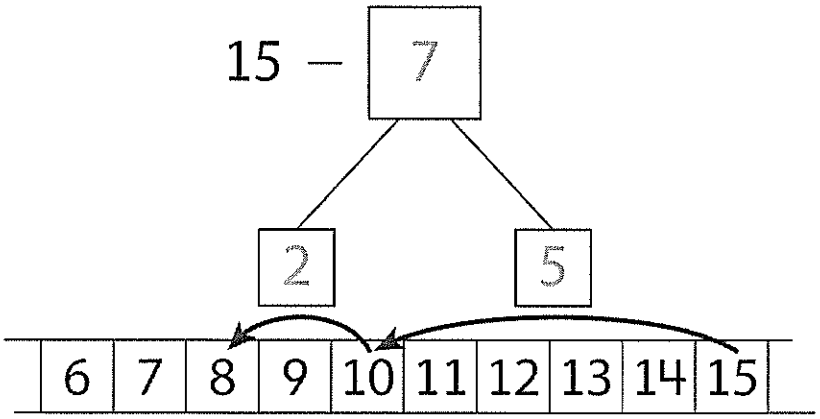
Name _____

1 Find 15 − 7.

15 − 5 = 10

10 − 2 = 8

15 − 7 = _____

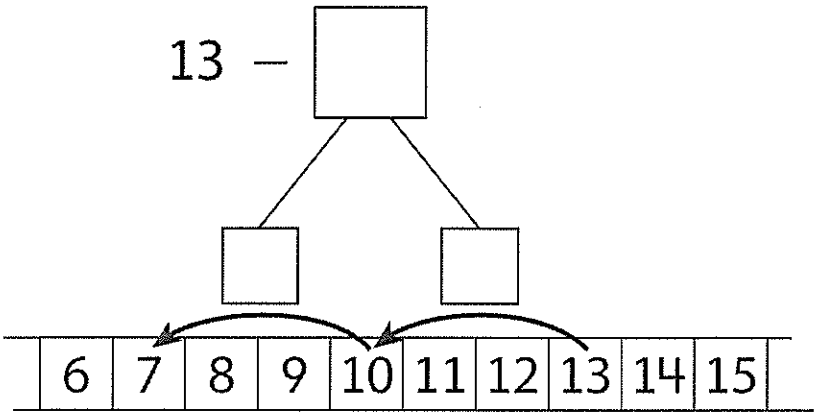


2 Find 13 − 6.

13 − _____ = 10

10 − 3 = _____

13 − 6 = _____

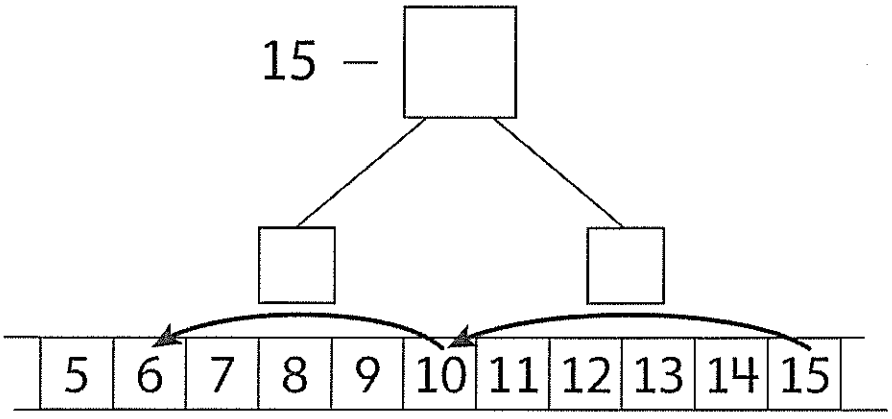


3 Find 15 − 9.

15 − _____ = 10

10 − 4 = _____

15 − 9 = _____



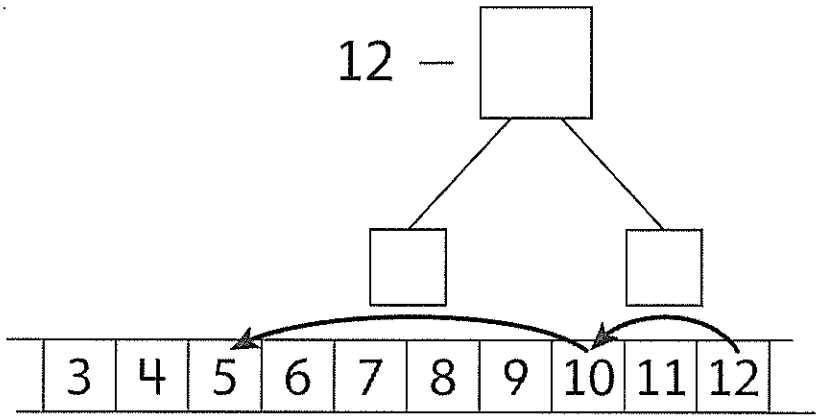
Name _____

4 Find 12 − 7.

12 − _____ = 10

10 − 5 = _____

12 − 7 = _____

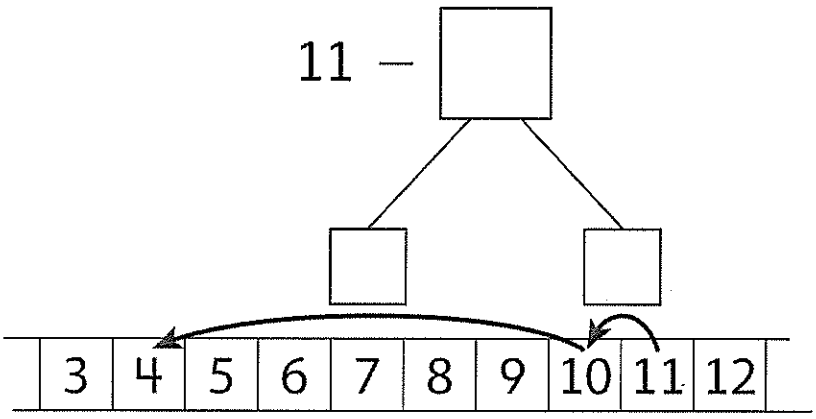


5 Find 11 − 7.

11 − _____ = 10

10 − 6 = _____

11 − 7 = _____

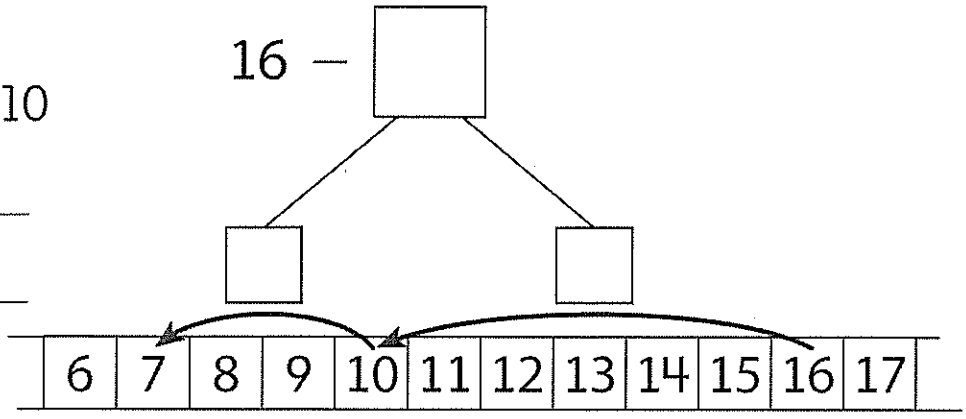


6 Find 16 − 9.

16 − _____ = 10

10 − 3 = _____

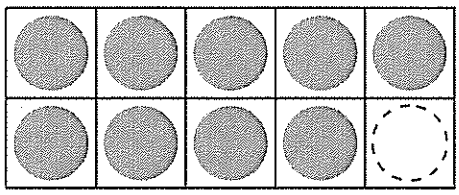
16 − 9 = _____



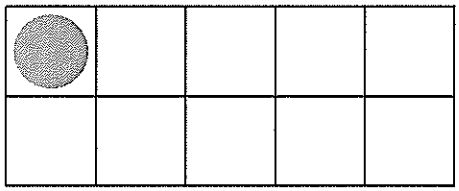
Name _____

Draw counters to make 10. Then complete the equation.

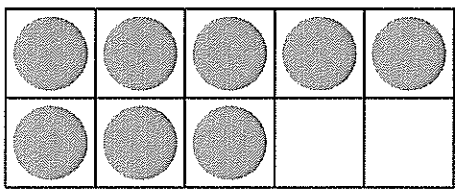
$10 = 9 + \underline{1}$



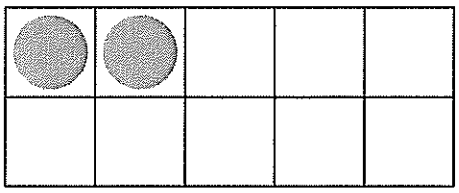
$10 = 1 + \_\_\_\_$



$10 = 8 + \_\_\_\_$

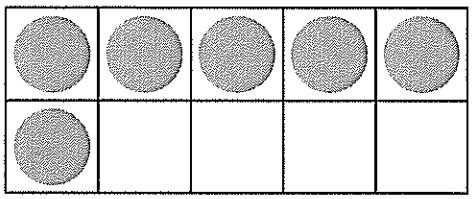


$10 = 2 + \_\_\_\_$

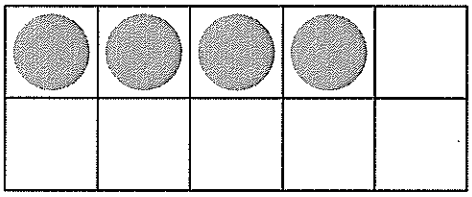


Name _____

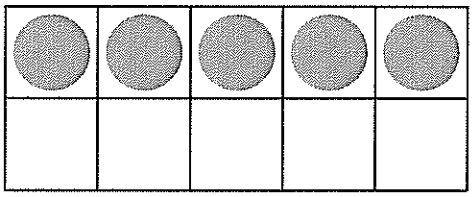
$10 = 6 + \_\_\_\_$



$10 = 4 + \_\_\_\_$



$10 = 5 + \_\_\_\_$



Name _____

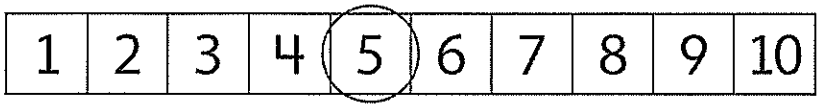
Solve each problem.

1 Marai sees 8 dogs at the park.

Some dogs go home.

Now Marai sees 5 dogs.

How many dogs go home?



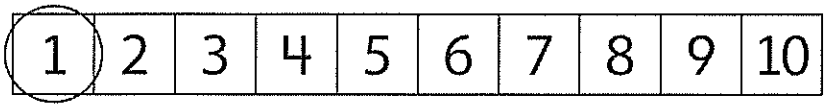
5 + _____ = 8 8 − _____ = 5

_____ 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.

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.

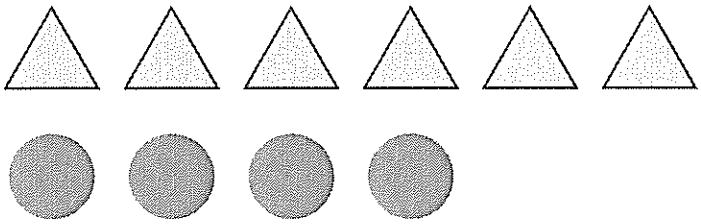
Name _____

Solve the subtraction problems.

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

$6 - 4 =$ ____

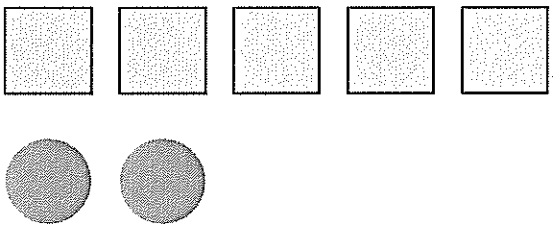
____ more triangles



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

$5 - 2 =$ ____

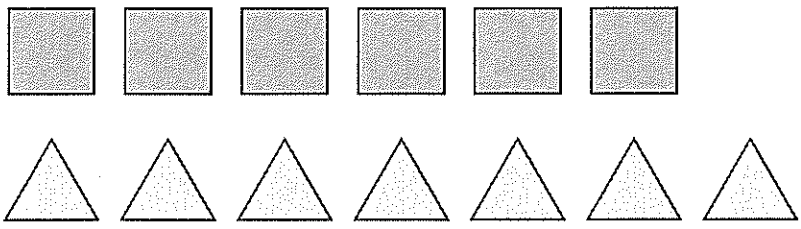
____ more squares



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

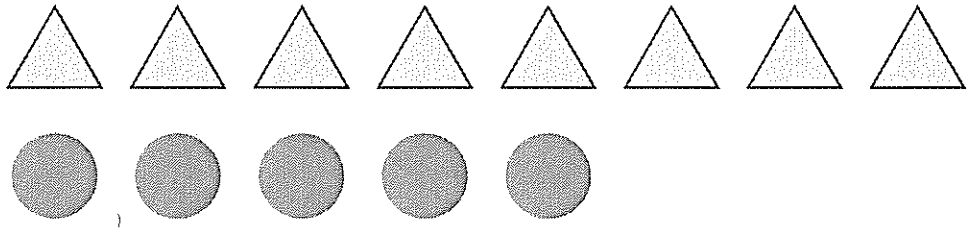
$7 - 6 =$ ____

____ more triangle



Name _____

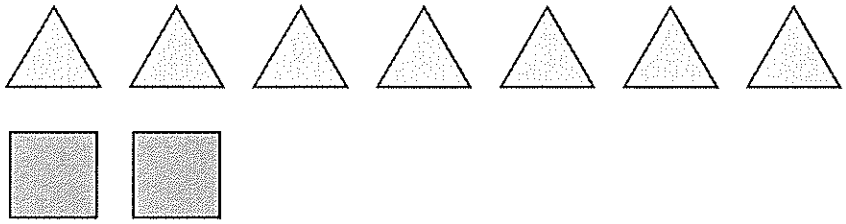
4 There are 8 triangles and 5 circles.
How many fewer circles than triangles are there?



8 − 5 = _____

_____ fewer triangles

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



7 − 2 = _____

_____ fewer squares

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

$4 + 4 = 5 + \_\_\_\_$

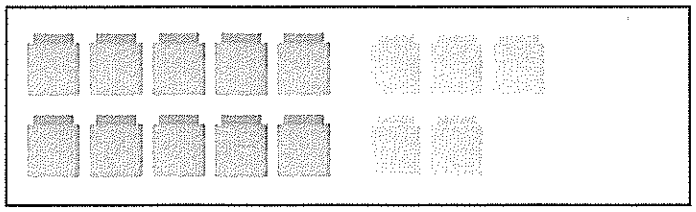
9

0	1	2

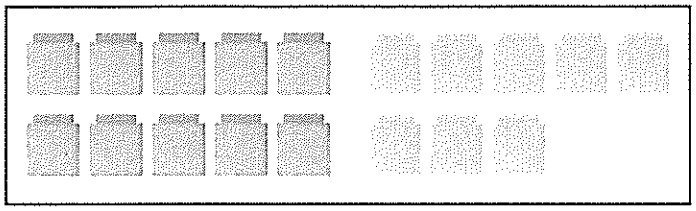
$1 + 8 = 7 + \_\_\_\_$

Name _____

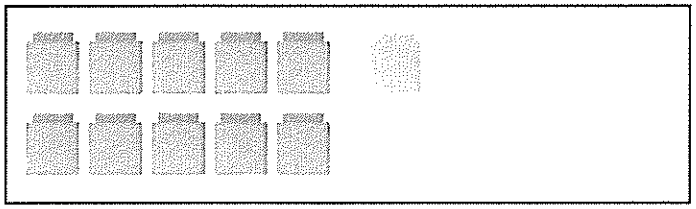
Draw lines to match the numbers.



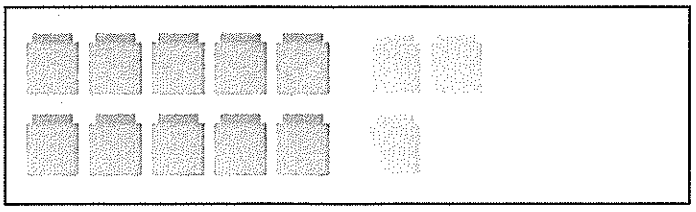
11



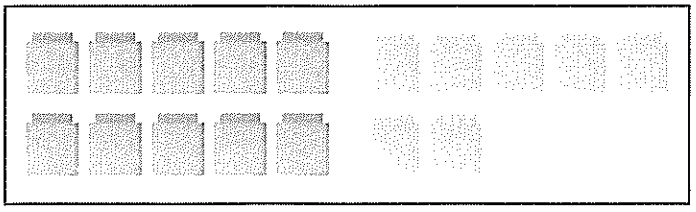
17



15



18



13

Name _____

Draw lines to match the numbers.

1 ten and 4 ones	12
1 ten and 9 ones	16
1 ten and 2 ones	14
1 ten and 6 ones	11
1 ten and 1 one	19

Discuss It

What is the same about each teen number? What is different?

Name _____

Add.

1. $9 + 3 =$ 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. $5 + 9 + 1 =$ _____

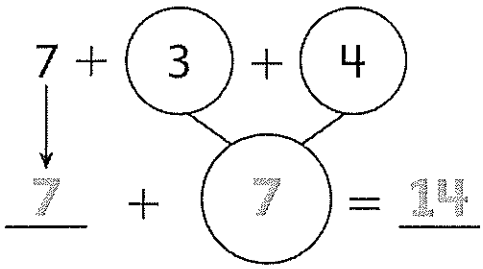
Discuss It

Explain how you solved Problem 11.

Adding Three Numbers

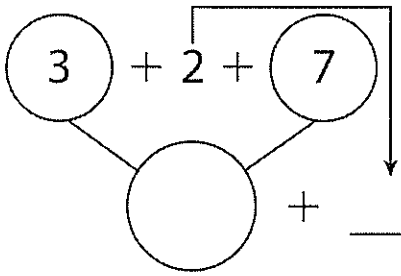
Name _____

1 Find 7 + 3 + 4.



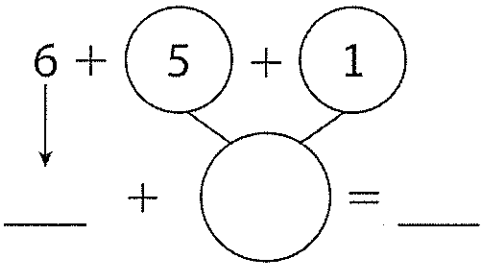
7 + 3 + 4 = 14

2 Find 3 + 2 + 7.



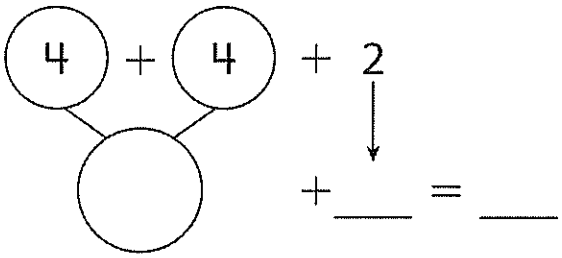
3 + 2 + 7 = _____

3 Find 6 + 5 + 1.



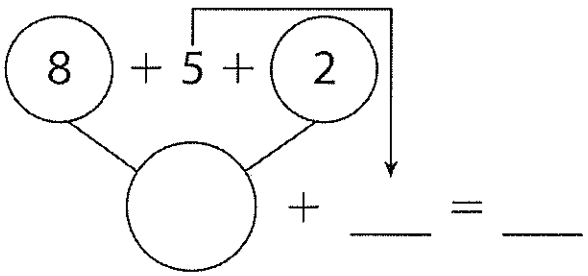
6 + 5 + 1 = _____

4 Find 4 + 4 + 2.



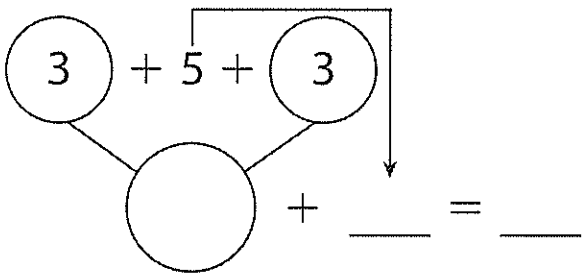
4 + 4 + 2 = _____

5 Find 8 + 5 + 2.



8 + 5 + 2 = _____

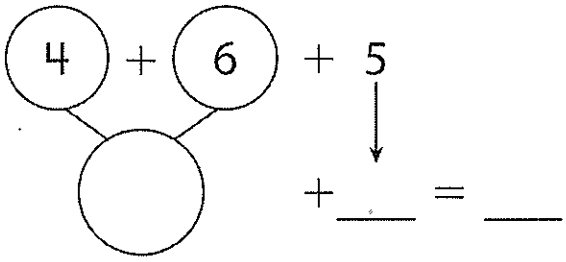
6 Find 3 + 5 + 3.



3 + 5 + 3 = _____

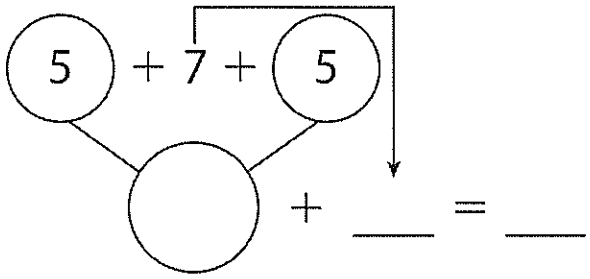
Name _____

7 Find 4 + 6 + 5.



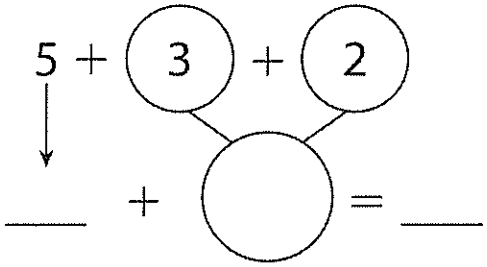
4 + 6 + 5 = ____

8 Find 5 + 7 + 5.



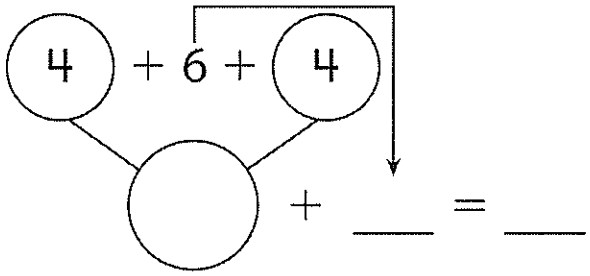
5 + 7 + 5 = ____

9 Find 5 + 3 + 2.



5 + 3 + 2 = ____

10 Find 4 + 6 + 4.



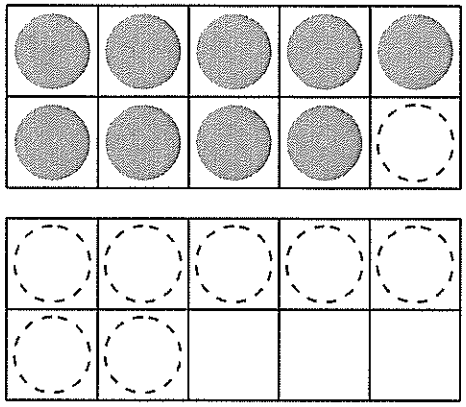
4 + 6 + 4 = ____

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

Name _____

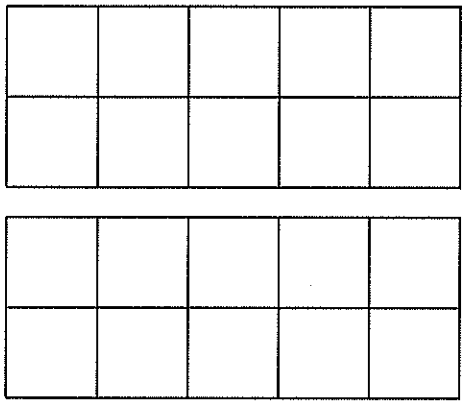
1 Find the missing number.

$17 - \_\_\_\_ = 9$



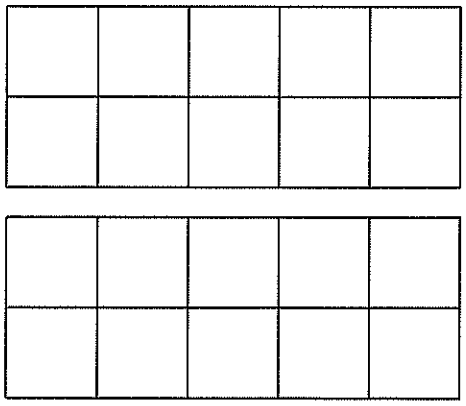
2 Find the missing number.

$\_\_\_\_ - 8 = 5$



3 Find the missing number.

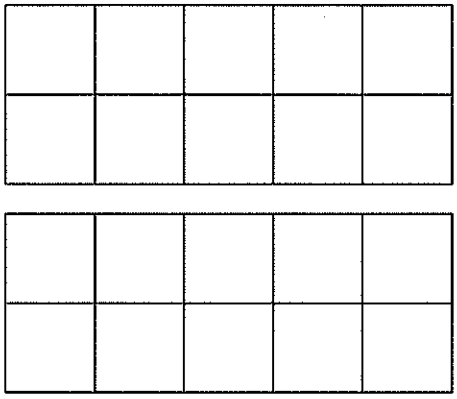
$15 - \_\_\_\_ = 6$



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

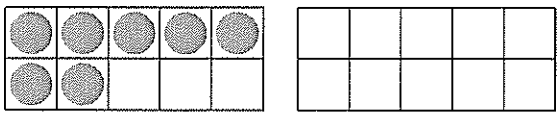
11 How did you use the 10-frames to find the missing number in Problem 4?

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?



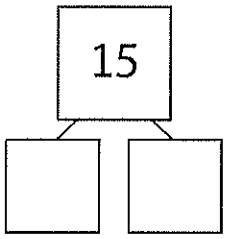
11 + 7 = 18

_____ 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

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