



Incoming **Grade 2 Mathematics**

Student At-Home Activity Packet

This At-Home Activity Packet includes 16 sets of practice problems that align to important math concepts your student has worked with so far this year.

We recommend that your student completes one page of practice problems each day.

Encourage your student to do the best they can with this content—the most important thing is that they continue developing their mathematical fluency and skills.

See the Grade 1 Math
concepts covered in
this packet!



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
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Adding and Subtracting within 20	13	Finding Totals Greater Than 10..... 25
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Count on to add.

Example



5



6, 7

5

+

2

=

7

1



7

7

+

1

=

2



8

8

+

2

=

_____, ____



_____, _____

$$7 + 2 = \underline{\quad}$$



_____, _____, _____

$$6 + 3 = \underline{\quad}$$

Discuss It

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

Use what you know about doubles to solve.

Example

1 black sticker. 1 white sticker.

How many stickers in all?

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

2 stickers



1 1 black sticker. 2 white stickers.

How many stickers in all?

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

 stickers



2 3 white stickers. 3 black stickers.

How many stickers in all?

$$3 + 3 = \underline{\quad}$$

 stickers



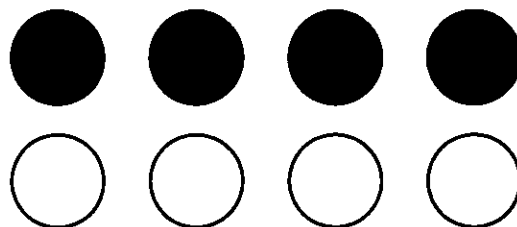
Name _____

- 3** 4 black stickers. 4 white stickers.

How many stickers in all?

$$4 + 4 = \underline{\quad}$$

 stickers



- 4** 4 black squares.

5 white squares.

How many squares in all?

$$4 + 5 = \underline{\quad}$$

 squares



Discuss It

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

Use the blocks. Complete the addition equations.

Example

--	--	--	--	--	--	--

$$4 + \underline{2} = 6$$

--	--	--	--	--	--	--

$$2 + \underline{4} = 6$$

1

--	--	--	--	--	--	--

$$5 + \underline{\quad} = 6$$

--	--	--	--	--	--	--

$$1 + \underline{\quad} = 6$$

2

--	--	--	--	--	--	--

$$6 + \underline{\quad} = 6$$

--	--	--	--	--	--	--

$$0 + \underline{\quad} = 6$$

3

--	--	--	--	--	--	--	--

$$5 + \underline{\quad} = 7$$

--	--	--	--	--	--	--	--

$$2 + \underline{\quad} = 7$$

4

--	--	--	--	--	--	--	--

$$3 + \underline{\quad} = 7$$

--	--	--	--	--	--	--	--

$$4 + \underline{\quad} = 7$$

Adding in Any Order
with Near Doubles *continued*

Name _____

5

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

$1 + \underline{\quad} = 8$

$7 + \underline{\quad} = 8$

6

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

$6 + \underline{\quad} = 8$

$2 + \underline{\quad} = 8$

7

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

$5 + \underline{\quad} = 9$

$4 + \underline{\quad} = 9$

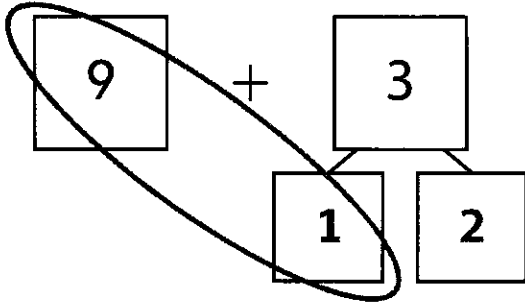
8

--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--

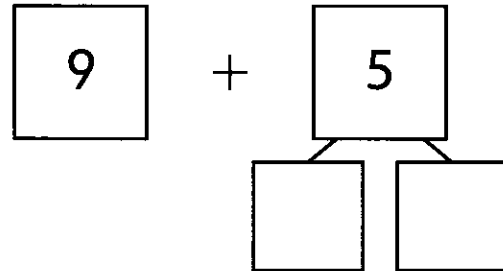
$3 + \underline{\quad} = 9$

$6 + \underline{\quad} = 9$

Fill in the number bonds to make a ten.**1** Find $9 + 3$.

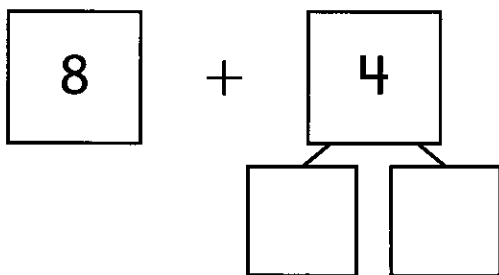
$10 + 2 = \underline{\quad}$

$9 + 3 = \underline{\quad}$

2 Find $9 + 5$.

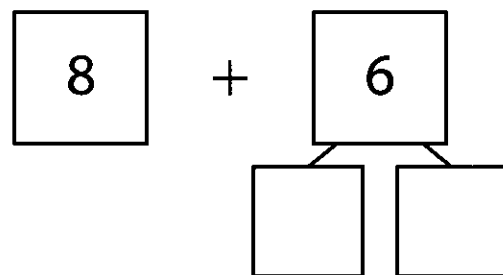
$10 + 4 = \underline{\quad}$

$9 + 5 = \underline{\quad}$

3 Find $8 + 4$.

$10 + 2 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

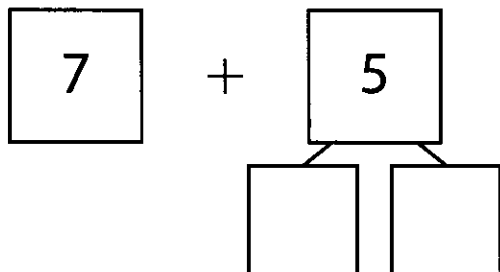
4 Find $8 + 6$.

$10 + 4 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

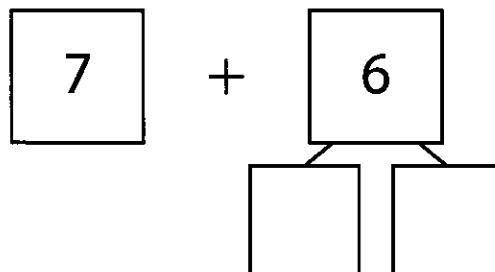
Making a Ten to Add *continued*

Name _____

5 Find $7 + 5$.

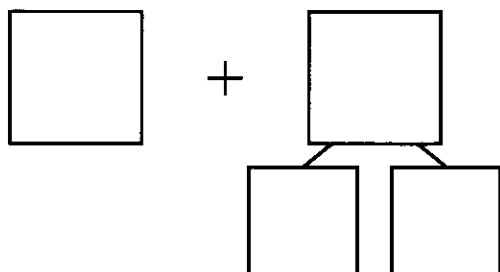
$$10 + 2 = \underline{\quad}$$

$$7 + 5 = \underline{\quad}$$

6 Find $7 + 6$.

$$10 + 3 = \underline{\quad}$$

$$7 + 6 = \underline{\quad}$$

7 Find $7 + 4$.

$$10 + 1 = \underline{\quad}$$

$$7 + 4 = \underline{\quad}$$

Discuss It

How does making a ten help you add two numbers?

Use addition to help you subtract.

- 1**
- Find
- $6 - 5$
- .

$$5 + \underline{1} = 6$$

$$6 - 5 = \underline{\quad}$$

- 2**
- Find
- $7 - 6$
- .

$$6 + \underline{\quad} = 7$$

$$7 - 6 = \underline{\quad}$$

- 3**
- Find
- $5 - 2$
- .

$$2 + \underline{\quad} = 5$$

$$5 - 2 = \underline{\quad}$$

- 4**
- Find
- $6 - 4$
- .

$$4 + \underline{\quad} = 6$$

$$6 - 4 = \underline{\quad}$$

- 5**
- Find
- $8 - 4$
- .

$$4 + \underline{\quad} = 8$$

$$8 - 4 = \underline{\quad}$$

- 6**
- Find
- $9 - 7$
- .

$$7 + \underline{\quad} = 9$$

$$9 - 7 = \underline{\quad}$$

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

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$6 - 3 = \underline{\quad}$$

Discuss It

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

ExampleFind $5 - 3$.

Start at 3. Count on to 5.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$3 + \underline{2} = 5 \qquad 5 - 3 = \underline{2}$

1 Find $6 - 4$.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$4 + \underline{\quad} = 6 \qquad 6 - 4 = \underline{\quad}$

2 Find $7 - 3$.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$3 + \underline{\quad} = 7 \qquad 7 - 3 = \underline{\quad}$

3 Find $8 - 6$.

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$6 + \underline{\quad} = 8 \qquad 8 - 6 = \underline{\quad}$

- 4**
- Find
- $9 - 8$
- .

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$8 + \underline{\quad} = 9$

$9 - 8 = \underline{\quad}$

- 5**
- Find
- $6 - 5$
- .

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$5 + \underline{\quad} = 6$

$6 - 5 = \underline{\quad}$

- 6**
- Find
- $9 - 4$
- .

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$4 + \underline{\quad} = 9$

$9 - 4 = \underline{\quad}$

- 7**
- Find
- $8 - 2$
- .

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$2 + \underline{\quad} = 8$

$8 - 2 = \underline{\quad}$

Discuss It

How is solving $6 - 4$ the same as solving $9 - 4$?

How is it different?

Making a Ten to Subtract

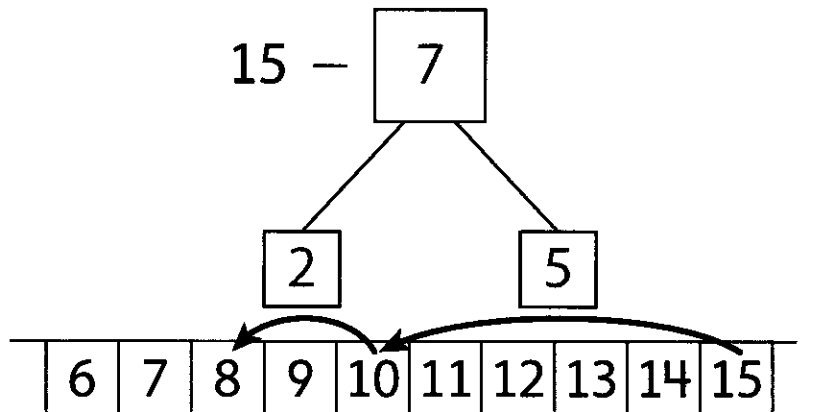
Name _____

1 Find $15 - 7$.

$$15 - \underline{5} = 10$$

$$10 - 2 = \underline{8}$$

$$15 - 7 = \underline{\quad}$$

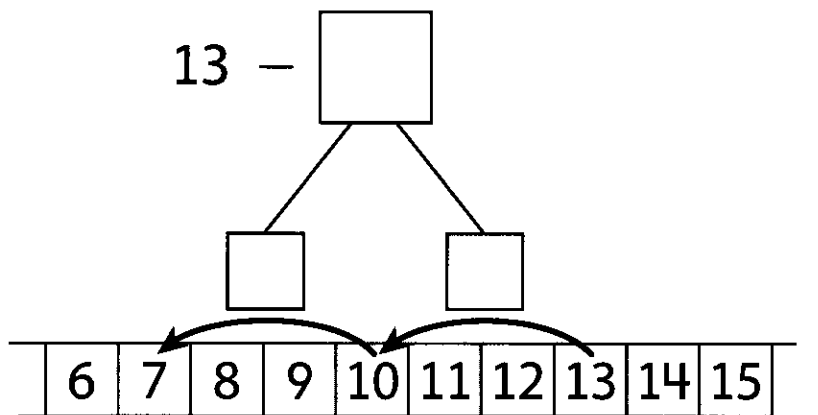


2 Find $13 - 6$.

$$13 - \underline{\quad} = 10$$

$$10 - 3 = \underline{\quad}$$

$$13 - 6 = \underline{\quad}$$

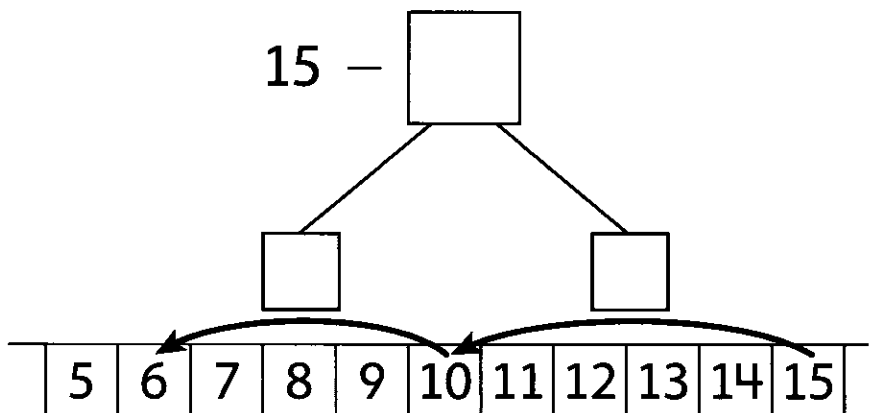


3 Find $15 - 9$.

$$15 - \underline{\quad} = 10$$

$$10 - 4 = \underline{\quad}$$

$$15 - 9 = \underline{\quad}$$

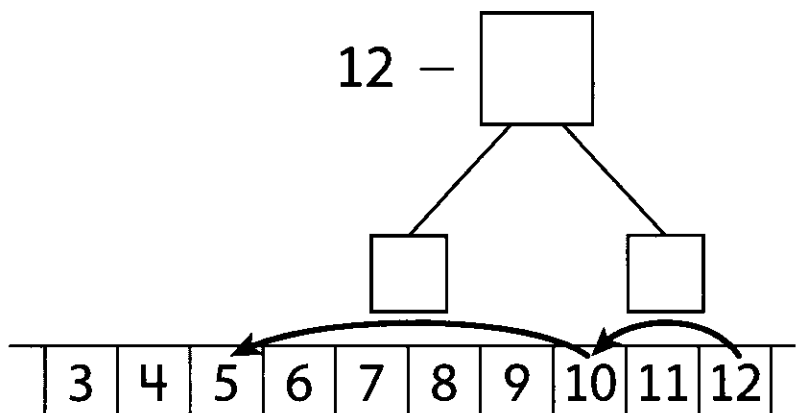


4 Find $12 - 7$.

$12 - \underline{\quad} = 10$

$10 - 5 = \underline{\quad}$

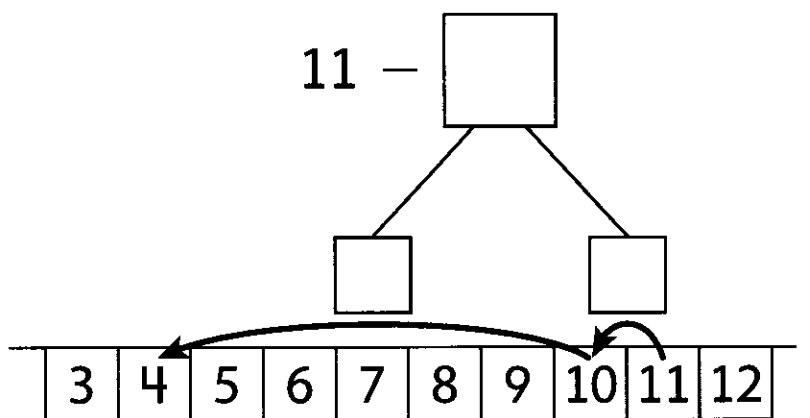
$12 - 7 = \underline{\quad}$


5 Find $11 - 7$.

$11 - \underline{\quad} = 10$

$10 - 6 = \underline{\quad}$

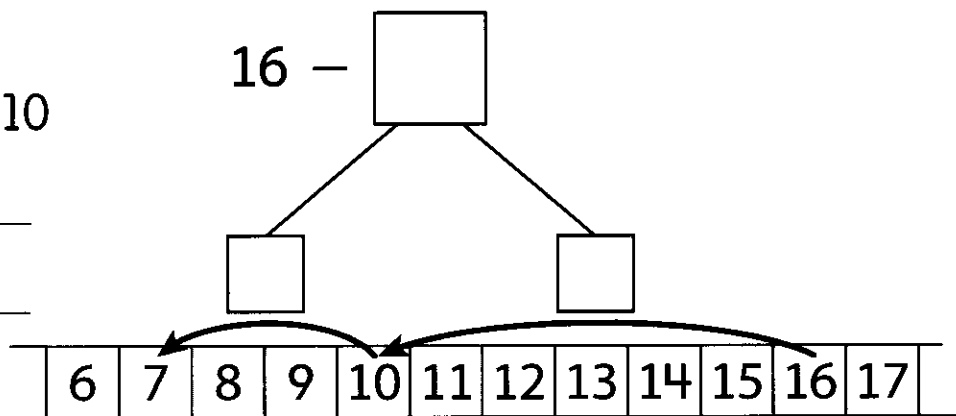
$11 - 7 = \underline{\quad}$


6 Find $16 - 9$.

$16 - \underline{\quad} = 10$

$10 - 3 = \underline{\quad}$

$16 - 9 = \underline{\quad}$

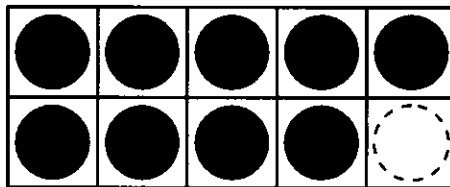


Number Partners for 10

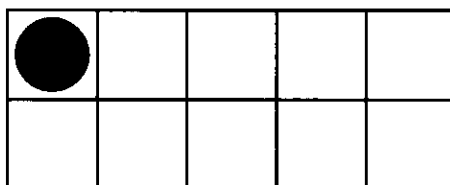
Name _____

Draw counters to make 10. Then complete the equation.

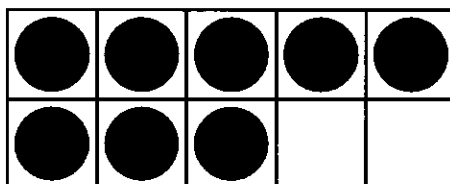
$10 = 9 + \underline{1}$



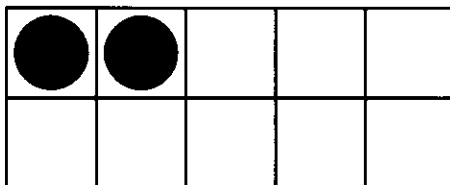
$10 = 1 + \underline{\quad}$



$10 = 8 + \underline{\quad}$



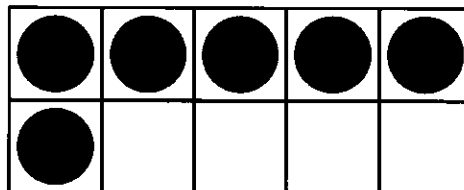
$10 = 2 + \underline{\quad}$



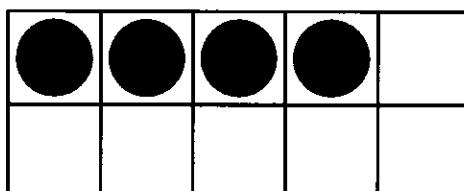
Number Partners for 10 *continued*

Name _____

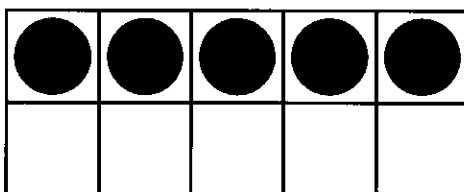
$10 = 6 + \underline{\hspace{2cm}}$



$10 = 4 + \underline{\hspace{2cm}}$



$10 = 5 + \underline{\hspace{2cm}}$



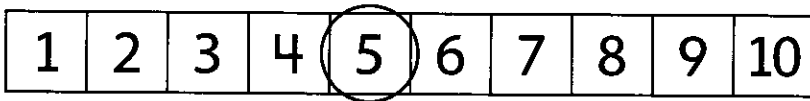
Solve each problem.

- 1**
- Marai sees 8 dogs at the park.

Some dogs go home.

Now Marai sees 5 dogs.

How many dogs go home?



$5 + \underline{\quad} = 8$

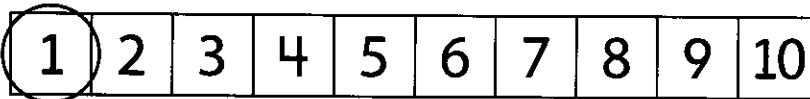
$8 - \underline{\quad} = 5$

 dogs go home.

- 2**
- Ben has 7 hats. 1 hat is red.

The rest are blue.

How many hats are blue?



$7 = 1 + \underline{\quad}$

$7 - \underline{\quad} = 1$

 hats are blue.

- 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
---	---	---	---	---	---	---	---	---	----

$7 + \underline{\quad} = 9 \qquad 9 - \underline{\quad} = 7$

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
---	---	---	---	---	---	---	---	---	----

$3 + \underline{\quad} = 8 \qquad 8 - \underline{\quad} = 3$

Jake gives games away.

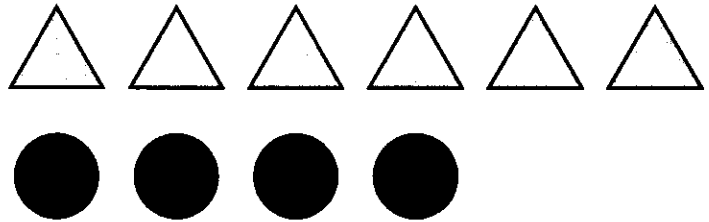
Solve the subtraction problems.

- 1** There are 6 triangles. There are 4 circles.

How many more triangles are there?

$$6 - 4 = \underline{\quad}$$

 more triangles

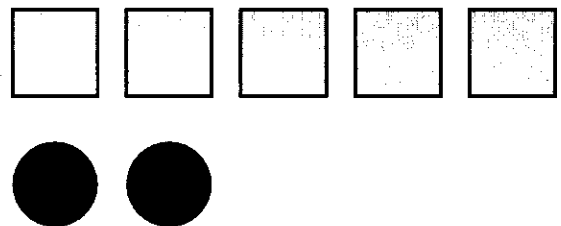


- 2** There are 5 squares. There are 2 circles.

How many more squares are there?

$$5 - 2 = \underline{\quad}$$

 more squares

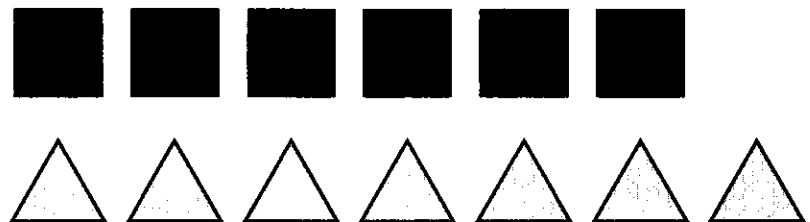


- 3** There are 7 triangles. There are 6 squares.

How many more triangles are there?

$$7 - 6 = \underline{\quad}$$

 more triangle



- 4** There are 8 triangles and 5 circles.

How many fewer circles than triangles are there?



$$8 - 5 = \underline{\quad}$$

 fewer triangles

- 5** There are 2 squares and 7 triangles.

How many fewer squares than triangles are there?



$$7 - 2 = \underline{\quad}$$

 fewer squares

Choose a number from the box to complete the equation.

Example

0	1	2
---	---	---

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

1

0	1	2
---	---	---

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

2

1	2	3
---	---	---

$$3 + 2 = \underline{\quad} + 3$$

3

1	2	3
---	---	---

$$3 + 2 = 4 + \underline{\quad}$$

4

0	1	2
---	---	---

$$6 + 0 = 5 + \underline{\quad}$$

5

4	5	6
---	---	---

$$3 + 3 = \underline{\quad} + 0$$

6

2	3	4
---	---	---

$$4 + 3 = 5 + \underline{\quad}$$

7

0	1	2
---	---	---

$$6 + 1 = 7 + \underline{\quad}$$

8

1	2	3
---	---	---

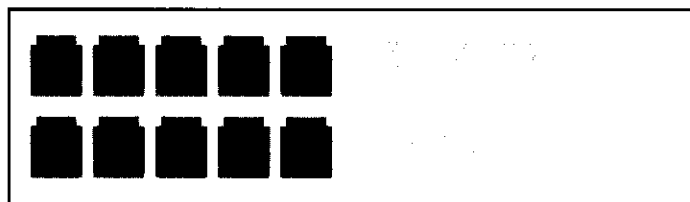
$$4 + 4 = 5 + \underline{\quad}$$

9

0	1	2
---	---	---

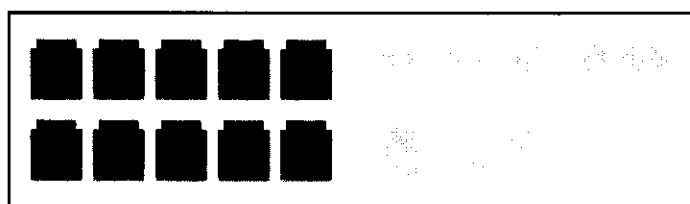
$$1 + 8 = 7 + \underline{\quad}$$

Draw lines to match the numbers.



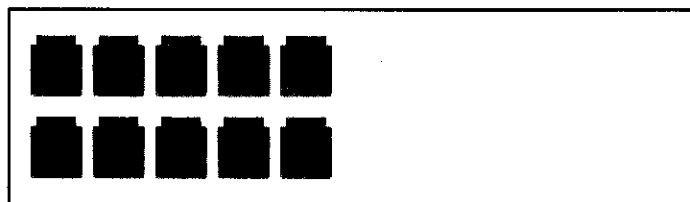
Base ten blocks: 10 units (two rows of five units each).
Number line: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

11



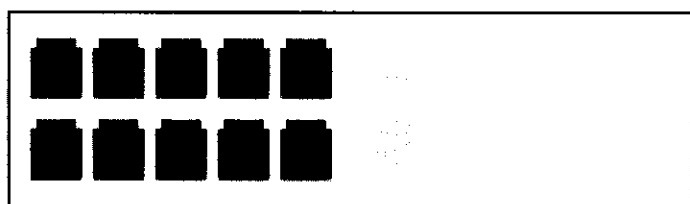
Base ten blocks: 10 units (two rows of five units each).
Number line: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

17



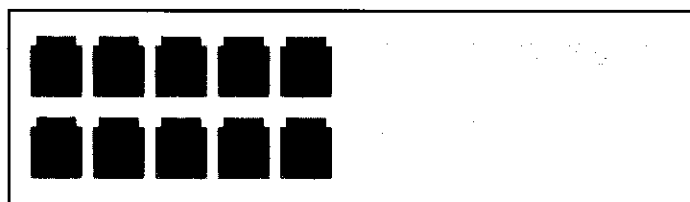
Base ten blocks: 10 units (two rows of five units each).
Number line: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

15



Base ten blocks: 10 units (two rows of five units each).
Number line: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

18



Base ten blocks: 10 units (two rows of five units each).
Number line: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

13

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?

Finding Totals Greater Than 10

Name _____

Add.

1 $9 + 3 = \underline{12}$

2 $3 + 9 = \underline{\quad}$

3 $8 + 6 = \underline{\quad}$

4 $6 + 8 = \underline{\quad}$

5 $4 + 9 = \underline{\quad}$

6 $5 + 7 = \underline{\quad}$

7 $6 + 7 = \underline{\quad}$

8 $7 + 8 = \underline{\quad}$

9 $10 + 9 = \underline{\quad}$

10 $9 + 8 = \underline{\quad}$

11 $6 + 3 + 4 = \underline{\quad}$

12 $5 + 9 + 1 = \underline{\quad}$

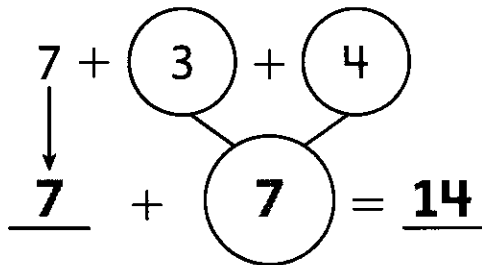
Discuss It

Explain how you solved Problem 11.

Adding Three Numbers

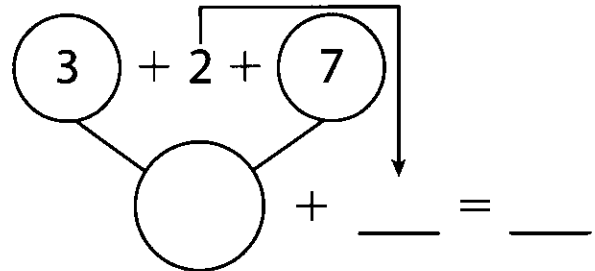
Name _____

1 Find $7 + 3 + 4$.



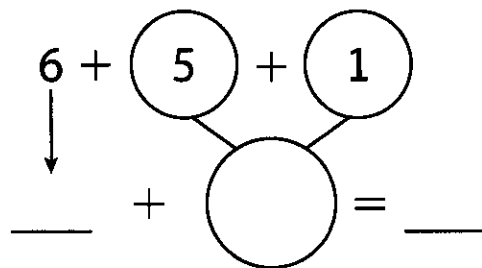
$$7 + 3 + 4 = \underline{14}$$

2 Find $3 + 2 + 7$.



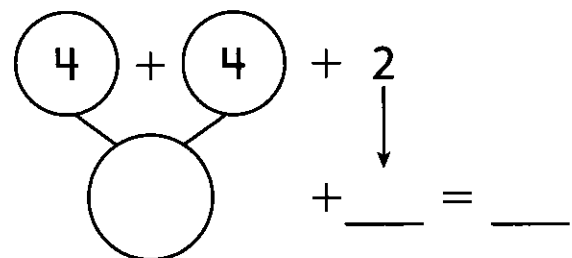
$$3 + 2 + 7 = \underline{\quad}$$

3 Find $6 + 5 + 1$.



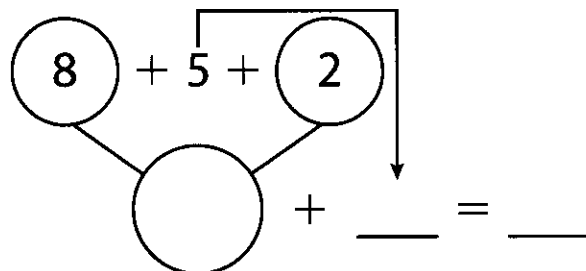
$$6 + 5 + 1 = \underline{\quad}$$

4 Find $4 + 4 + 2$.



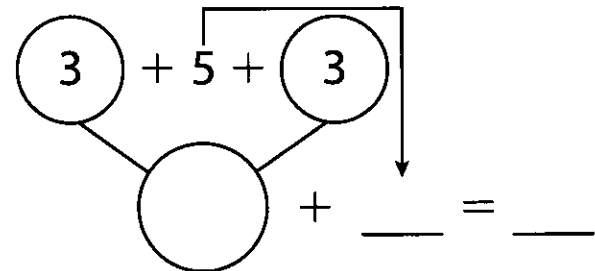
$$4 + 4 + 2 = \underline{\quad}$$

5 Find $8 + 5 + 2$.



$$8 + 5 + 2 = \underline{\quad}$$

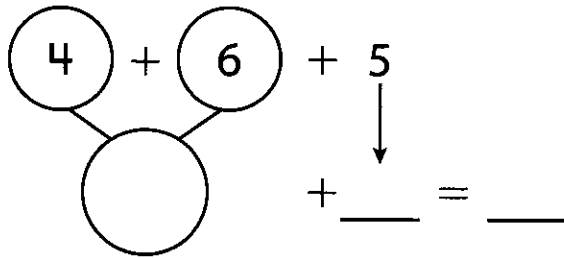
6 Find $3 + 5 + 3$.



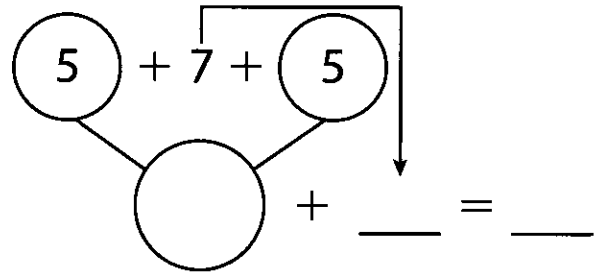
$$3 + 5 + 3 = \underline{\quad}$$

Adding Three Numbers *continued*

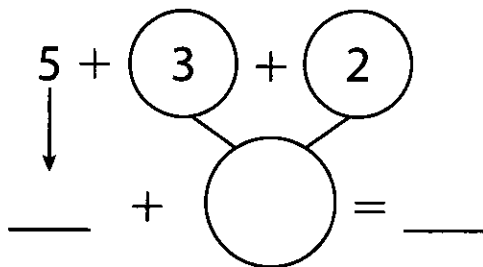
Name _____

7 Find $4 + 6 + 5$.

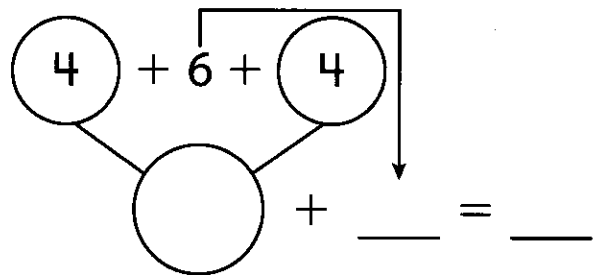
$$4 + 6 + 5 = \underline{\quad}$$

8 Find $5 + 7 + 5$.

$$5 + 7 + 5 = \underline{\quad}$$

9 Find $5 + 3 + 2$.

$$5 + 3 + 2 = \underline{\quad}$$

10 Find $4 + 6 + 4$.

$$4 + 6 + 4 = \underline{\quad}$$

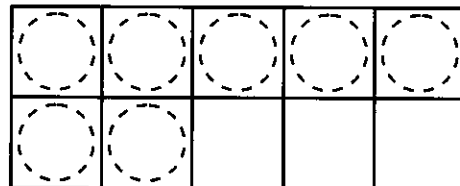
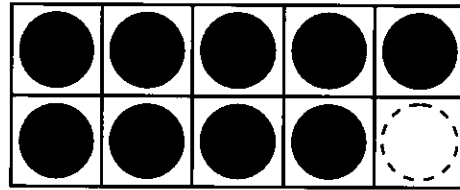
11 When solving $4 + 6 + 4$, Ava adds $4 + 6$ first.Rico adds $4 + 4$ first. Who is correct? Why?

Finding the Unknown Number

Name _____

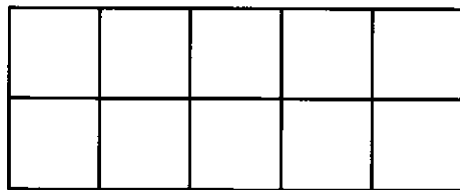
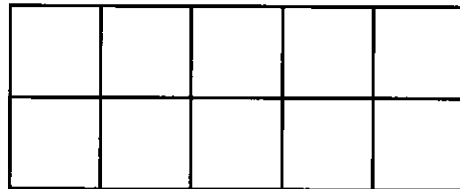
- 1** Find the missing number.

$$17 - \underline{\quad} = 9$$



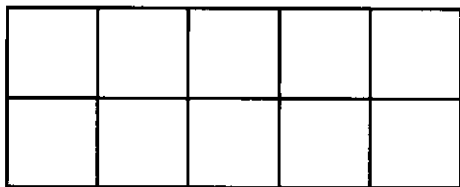
- 2** Find the missing number.

$$\underline{\quad} - 8 = 5$$



- 3** Find the missing number.

$$15 - \underline{\quad} = 6$$



Finding the Unknown Number *continued*

Name _____

- 4**
- Find the missing number.

$$7 = \underline{\quad} - 7$$

- 5**
- Find the missing number.

$$8 = 12 - \underline{\quad}$$

- 6**
- Find the missing number.

$$\underline{\quad} - 9 = 9$$

- 7**
- Find the missing number.

$$16 - \underline{\quad} = 7$$

- 8**
- Find the missing number.

$$15 - \underline{\quad} = 8$$

- 9**
- Find the missing number.

$$5 = \underline{\quad} - 9$$

- 10**
- Find the missing number.

$$\underline{\quad} - 7 = 10$$

Discuss It

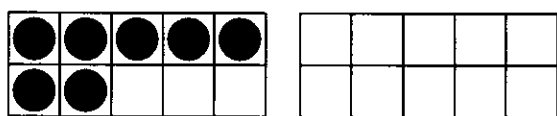
- 11**
- How did you use the 10-frames to find the missing number in Problem 4?

- 1** Amy has some crayons.

She finds 7 more crayons.

Now she has 18 crayons.

How many crayons did she have at the start?



$$\underline{11} + 7 = 18$$

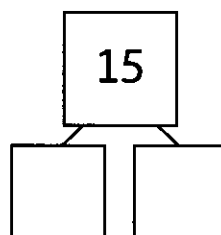
_____ crayons

- 2** There are 15 fish in a tank.

7 of the fish are orange.

The rest are white.

How many are white?



$$15 - \underline{\quad} = \underline{\quad}$$

_____ white fish

- 3** Marco has 16 flowers.

He gives some to Alex.

Now Marco has 8 flowers.

How many did he give to Alex?

$$16 - \underline{\quad} = \underline{\quad}$$

_____ flowers

- 4** There are 12 bagels in a box.

Some bagels are eaten.

Now there are 4 bagels.

How many bagels were eaten?

$$12 - \underline{\quad} = \underline{\quad}$$

_____ bagels

Solving Word Problems to 20 *continued*

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