#### Natural Numbers k-1

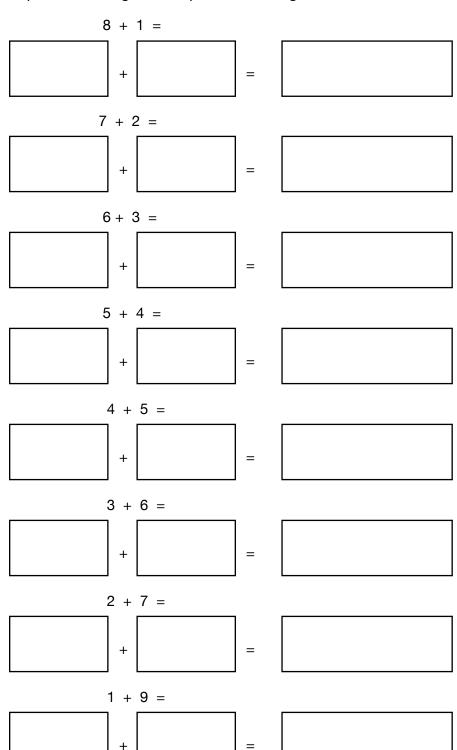
KOA1 Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g., claps], acting out situations, verbal explanations, expressions, or equations.

#### Digits and additions up to 10 Digitos y sumas hasta 10 KOA1

Representation Standard Form Representación Forma Estándar A.  $\triangle \triangle$  $\Delta\Delta$ В. OO = 00000 Ε. = = F. G = Н.

#### Digit up to 9 Dígitos hasta 9 KOA1

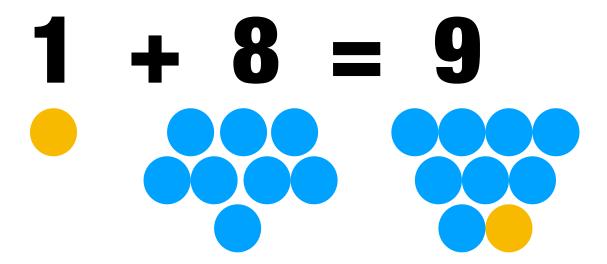
Represent the following equations, then solve them: Reprenseta las siguientes operaciones, luego resuelve:



Koa3 Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., 5 = 2 + 3 and 5 = 4 + 1).

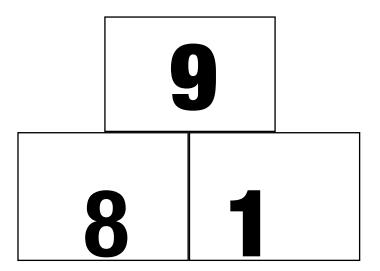
## Decomposing and decomposing Composición y descomposición KOA3

Find all possible ways to make 9, example: Encuentra todas las maneras posibles de componer el número 9, ejemplo:



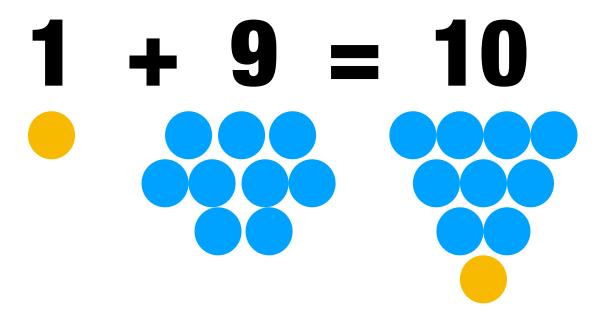
## Decomposing and decomposing Composición y descomposición KOA2

Brake number 9 into all possible ways, example: Descompone el número 9 en todas las maneras posibles, ejemplo:



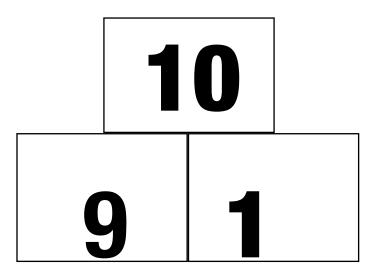
#### Composing and decomposing Composición y descomposición KOA3

Find all possible ways to make 10, example: Encuentra todas las formas posibles de componer 10, ejemplo:



## Decomposing and decomposing Composición y descomposición KOA2

Brake number 9 into all possible ways, example: Descompone el número 9 en todas las maneras posibles, ejemplo:



### Decomposing and decomposing Composición y descomposición KOA2

Find all the addition of the same number that equals 10, example: Encuentra todas las sumas de un mismo número que su resultado sea 10, ejemplo:

Koa4 Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. 4. For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.

#### Missing adden Sumando que falta KOA4

Find the missing adden to make 10: Encuentra el sumando que falta para componer 10:

$$+ 3 = 10$$

$$^{3)}$$
  $+ 4 = 10$ 

$$^{5)}$$
  $+ 9 = 10$ 

$$^{6)}$$
  $+ 8 = 10$ 

$$+ 2 = 10$$

$$+ 7 = 10$$

$$9) + 0 = 10$$

$$^{10)}$$
 6 + = 10

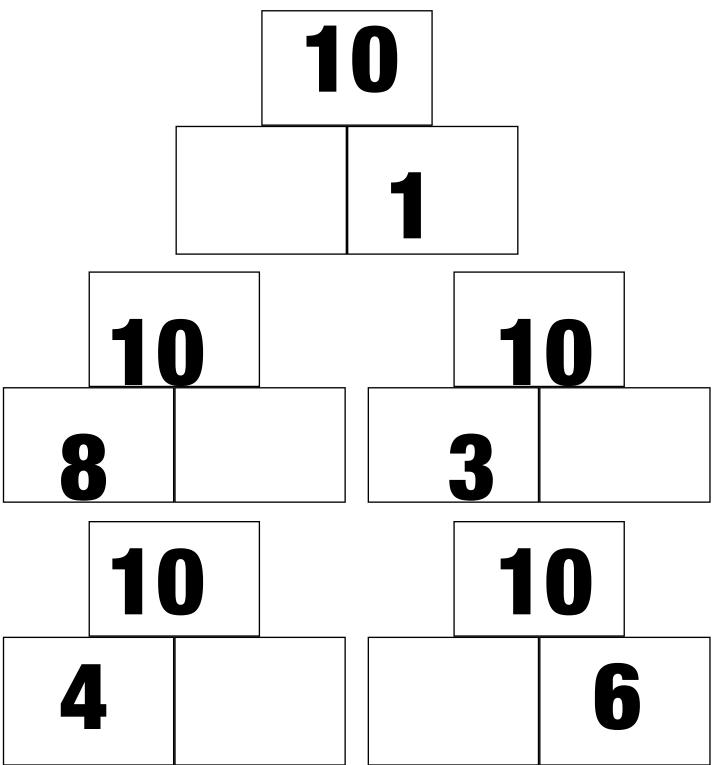
$$13) 1 + = 10$$

$$^{15)} 2 + = 10$$

$$^{19)}$$
 8 + = 10

#### Decomposing and decomposing Composición y descomposición KOA4

Find the missing adden to make 10: Encuentra el sumando que falta para componer 10:



#### **Numbers and Operations in Base Ten**

Understand the place value

2. Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: b. The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.

### Breaking Apart tens and ones 1nbt2b

Break apart the two-digit numbers into tens and ones. Descompone los siguientes números de dos dígitos separando decenas y unidades.

## Breaking Apart tens and ones Descomponiendo en decenas y unidades 1nbt2b

Break apart the two-digit numbers into tens and ones.

Descompone los siguientes números de dos dígitos separando decenas y unidades.

17 = 10 + \_\_\_

33 = 3 + \_\_\_\_

19 = 10 + \_\_\_

24 = \_\_\_\_ + 20

18 = \_\_\_ + 8

15 = \_\_\_\_ + 20

13 = \_\_\_ + 3

11 = \_\_\_ + 10

46 = 6 + \_\_\_\_

12 = +2

37 = \_\_\_\_ + 7

23 = \_\_\_ + 20

18 = \_\_\_\_ + 10

32 = 30 + \_\_\_\_

39 = 9 + \_\_\_\_

31 = 1 + \_\_\_\_

45 = 40 + \_\_\_\_

12 = \_\_\_\_ + 10

21 = \_\_\_\_ + 1

38 = 8 + \_\_\_\_

#### Operations and Algebraic Thinking

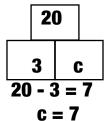
Represent and solve problems involving addition and subtraction.

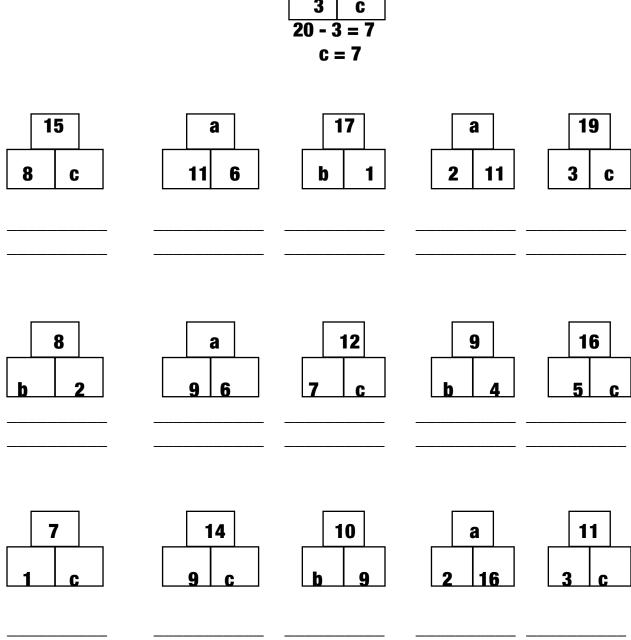
1. Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

#### Add and Subtract Variables Suma y resta de variables 1oa1

#### Add and Subtract Variables Suma y resta de variables 10a1

Find the value of each letter and write down the equation used. Encuentra el valor de cada letra y escribe la operación usada.





#### Operations and Algebraic Thinking

Represent and solve problems involving addition and subtraction. Represent and solve problems involving addition and subtraction. Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

#### Add and Subtract Variables Suma y resta de variables 10a1

Find the value of each letter, then write down the equation used. Encuentra el valor de cada letra, luego escribe la operación usada.

$$5 + 2 + 9 =$$

$$6 + 2 + 4 =$$

$$5 + 1 + 2 =$$

$$2 + 6 + 11 =$$

$$2 + 3 + 5 =$$

$$2 + 10 + 8 =$$

$$2 + 7 + 7 =$$

$$9 + 7 + 2 =$$

$$2 + 6 + 7 =$$

$$2 + 2 + 4 =$$

$$12 + 4 + 2 =$$

$$2 + 9 + 7 =$$

$$8 + 2 + 9 =$$

$$3 + 13 + 2 =$$

$$2 + 16 + 2 =$$

$$2 + 5 + 8 =$$

$$13 + 2 + 2 =$$

$$5 + 2 + 8 =$$

$$2 + 3 + 1 =$$

$$2 + 1 + 10 =$$

$$2 + 8 + 2 =$$

$$15 + 2 + 2 =$$

$$2 + 10 + 3 =$$

$$13 + 4 + 2 =$$

Operations and Algebraic Thinking

Understand and apply properties of operations and the relationship between addition and subtraction.

3. Apply properties of operations as strategies to add and subtract. Examples: If 8 + 3 = 11 is known, then 3 + 8 = 11 is also known. (Commutative property of addition.) To add 2 + 6 + 4, the second two numbers can be added to make a ten, so 2 + 6 + 4 = 2 + 10 = 12. (Associative property of addition.)

## Combining Addends Combinando sumandos 10a3

Find the ten and fill in the blank to make an equivalent equation. Encuentra la decena y llena el espacio para hacer una operación equivalente.

Ejemplo/Example: 8 + 2 + 3 = 1310 + 3 = 13

1) 
$$1 + 9 + 3 = 13$$
  
 $10 + 3 = 13$ 

8) 
$$7 + 9 + 11 = 27$$
  
 $3 + = 27$ 

2) 
$$14 + 6 + 2 = 22$$
  
 $+ 2 = 22$ 

9) 
$$1 + 13 + 7 = 21$$
  
 $1 + = 21$ 

10) 
$$4 + 22 + 8 = 34$$
  
 $4 + \underline{\hspace{1cm}} = 34$ 

$$4) 2 + 1 + 9 = 13$$
$$2 + = 13$$

11) 
$$16 + 4 + 7 = 27$$
  
\_\_\_\_ +  $7 = 27$ 

6) 
$$6 + 14 + 3 = 23$$
  
+  $3 = 23$ 

13) 
$$4 + 26 + 2 = 32$$
  
\_\_\_\_ + 2 = 32

## Combining Addends Combinando sumandos 10a3

Fill in the blank to make an equivalent equation. Llena el espacio para hacer una operación equivalente.

Example/Ejemplo: 3 + 9 + 2 = 143 + 11 = 14

9) 
$$1 + 2 + 4 = 7$$
  
 $1 + = 7$ 

10) 
$$4 + 2 + 2 = 8$$
  
 $+ 2 = 8$ 

11) 
$$7 + 3 + 2 = 12$$
  
 $7 + \underline{\phantom{0}} = 12$ 

4) 
$$2 + 2 + 9 = 13$$
  
+  $9 = 13$ 

13) 
$$2 + 6 + 2 = 10$$
  
 $2 + \underline{\hspace{1cm}} = 10$ 

6) 
$$2 + 14 + 2 = 18$$
  
 $2 + = 18$ 

14) 
$$2 + 8 + 1 = 11$$
  
 $2 + \underline{\hspace{1cm}} = 11$ 

15) 
$$13 + 8 + 3 = 24$$
  
 $13 + \underline{\hspace{1cm}} = 24$ 

16) 
$$8 + 8 + 9 = 25$$
  
 $----+9 = 25$ 

#### Add and Subtract Variables Suma y resta de variables 10a3

Analyze the equation then decompose and build the nearest ten. Solve the equation. Analiza la operación, descompone y forma la decena más cercana.

$$9 + 13 =$$

$$7+2$$

$$7 + 13 = 20$$

$$20 + 2 = 22$$

$$15 + 9 =$$

$$14 + 8 =$$

$$6 + 17 =$$

$$13 + 9 =$$

$$15 + 7 =$$

$$19 + 9 =$$

$$6 + 19 =$$

$$16 + 5 =$$

$$12 + 9 =$$

$$11 + 29 =$$

Solve the additions.

$$9 + 3 = 3 + 9 =$$

$$17 + 1 = 1 + 17 =$$

$$10 + 3 = 3 + 10 =$$

$$3 + 2 = 2 + 3 = 2$$

$$18 + 1 = 1 + 18 = 1$$

$$17 + 2 = 2 + 17 =$$

$$9 + 10 = 10 + 9 =$$

$$16 + 2 = 2 + 16 =$$

$$15 + 4 = 4 + 15 =$$

$$16 + 3 = 3 + 16 =$$

$$19 + 1 = 1 + 19 = 1$$

$$3 + 8 = 8 + 3 = 8 +$$

$$20 + 0 = 0 + 20 = 0$$

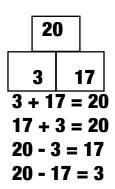
#### **Operations and Algebraic Thinking**

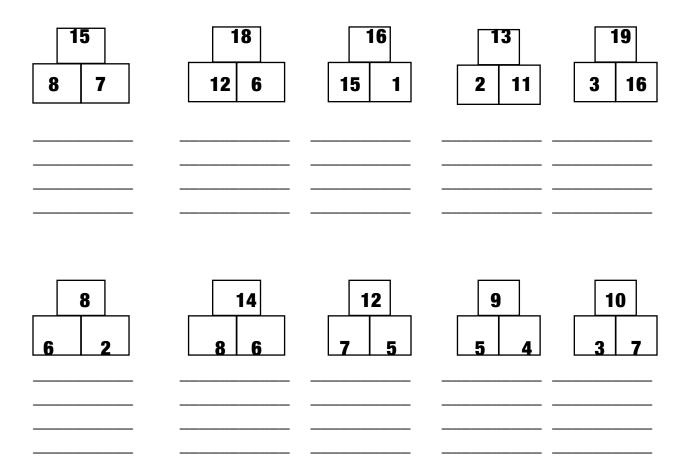
Understand subtraction as an unknown-addend problem.

4. Understand the relationship between numbers and quantities; connect counting to cardinality.

#### Connecting addtion & subtraction Conectando suma y resta 10a4/10a6

Find the two additions and two subtractions you can build with the three numbers in the boxes. Encuentra las dos sumas y las dos restas que puedas hacer con los tres números en las cajas.





#### Missing Adden Sumando que falta 10a4/ 10a6

Find the number that correctly answers both equations. Encuentra el número que responde correctamente a las dos ecuaciones.

1.oa.5

Operations and Algebraic Thinking

Add and subtract within 20.

5. Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).

Conteo Counting 1.oa.5

Count and complete the pattern. Cuenta y completa la secuencia.

Ejemplo:

4, 6, 8, 10, **12, 14** 

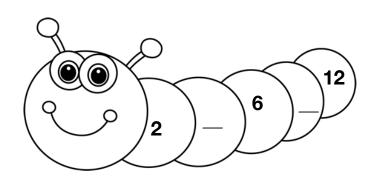
20, 22, 24, 26,, ,
0 , 2,,,
,,, 18, 20
,, 22,, 26,
,, 12, 14,,
1,, 5,, 9,, 13
,,, 11

19, 21, 23, \_\_\_\_, \_\_\_\_, \_\_\_\_

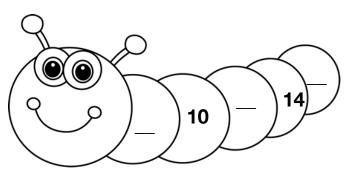
# Conteo Counting 1.oa.5

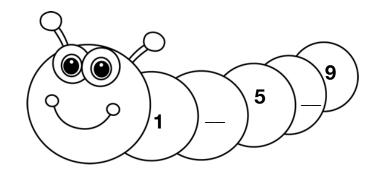
Count, complete the pattern and find the value of each worm. Cuenta, completa la secuencia y encuentra el valor de cada gusanito.

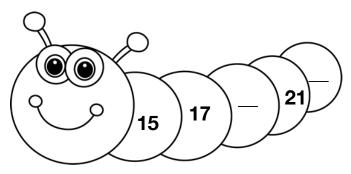
Example/ Ejemplo

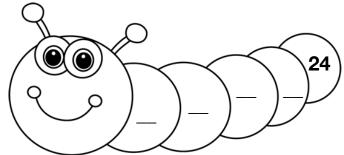


$$2 + \mathbf{4} + 6 + \mathbf{8} + 12 = 32$$









1.oa.6
Operations and Algebraic Thinking
Add and subtract within 20.

**6.** Understand the relationship between numbers and quantities; connect counting to cardinality. Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., 8 + 6 = 8 + 2 + 4 = 10 + 4 = 14]; decomposing a number leading to a ten (e.g., 13 - 4 = 13 - 3 - 1 = 10 - 1 = 9]; using the relationship between addition and subtraction (e.g., knowing that 8 + 4 = 12, one knows 12 - 8 = 4]; and creating equivalent but easier or known sums (e.g., adding 6 + 7 by creating the known equivalent 6 + 6 + 1 = 12 + 1 = 13).

# Equivalent equations Operaciones equivalentes 1.oa.6

Solve each problem: Resuelve cada problema

### Example/ Ejemplo:

9 + 1 es equivalente a / is equivalent to  $10 + \underline{\mathbf{0}}$ 

# Equivalent equations Operaciones equivalentes 1.oa.6

Solve each problem: Resuelve cada problema

### Example/ Ejemplo:

9 + 1 es equivalent a / is equivalent to  $10 + \mathbf{0}$ 

8 + 9 es equivalente a / is equivalent to 10 +
8 + 8 es equivalente a / is equivalent to 10 +
8 + 7 es equivalente a / is equivalent to 10 +
8 + 6 es equivalente a / is equivalent to 10 +
8 + 5 es equivalente a / is equivalent to 10 +
8 + 4 es equivalente a / is equivalent to 10 +
8 + 3 es equivalente a / is equivalent to 10 +
8 + 2 es equivalente a / is equivalent to 10 +
7 + 9 es equivalente a / is equivalent to 10 +
7 + 8 es equivalente a / is equivalent to 10 +
7 + 7 es equivalente a / is equivalent to 10 +
7 + 6 es equivalente a / is equivalent to 10 +