

Subtraction Within 20

Pre-Requisite

[Early Years and Kinder](#)

[Addition up to 20](#)

Objectives

Subtracting within 20

Word problems

Finding unknowns

Subtracting 3 or more numbers

Materials

Blocks

Worksheets (included)

Videos (included)

Videos

[Subtraction within 20](#)

[Subtraction Word Problems](#)

[Subtracting with an Unknown](#)

[Number](#)

Age/Grade Level

1st Grade

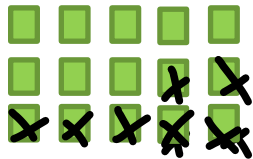
Subtraction Within 20

Subtracting with Objects

1. Write out $15 - 7 =$ on the board or a sheet of paper.
 - Ask the students to layout 15 blocks
 - Ask students to remove 7 of the 15 blocks
 - Ask students to count the remaining blocks
 - Explain that $15 - 7 = 8$



15



15 - 7



15 - 7 = 8

Resources

[Subtraction within 20](#) (Video)

[Subtraction Terms/Definition](#)

[I Can Subtract with Blocks](#)

Standards:

CCSS.MATH.CONTENT.1.OA.A.5

CCSS.MATH.CONTENT.1.OA.A.6

2. Write out $20 - 10 =$ on the board or sheet of paper.
 - Ask the students to place 20 blocks on the table
 - Ask them to remove 10
 - Have them count the blocks remaining
 - Explain that $20 - 10 = 10$
3. Go over a few more examples, watch the [subtracting within 20 video](#), then complete the [I Can Subtract with Blocks](#) worksheet.

Subtraction Within 20

Subtraction Word Problem

1. Write down a word problem on the board or a piece of paper.
2. Read the problem out loud.
3. Write out the following under the word problem
 - What is the question?
 - What are the numbers we will need or be using?
 - How many was taken away (subtracted)?
 - What is the operation?
4. Underline or highlight the answers to the question above.
5. Write down the answer to the word problem.

Resources

[Subtraction Terms/Definition](#)

[Subtracting Word Problems](#)

[\(Video\)](#)

[Subtraction Word Problems](#)

(worksheet)

Standards:

CCSS.MATH.CONTENT.1.OA.A.1

Example: Issy had 15 candy bars. Zach ate 3 of those candy bars. How many candy bars does Issy have left?

Issy had 15 candy bars and Zack ate 3 of those candy bars. How many candy bars does Issy have now?

15

Candy bars Issy had/
Original amount

-

Operation

3

Candy bars Zack ate

=

12

How many candy bars Issy has now?

6. Go over a few more examples, watch [subtracting word problems](#), and complete the Subtraction Word Problems worksheet.

Subtraction Within 20

Subtraction Word Problems 3 Numbers

1. Write down a word problem on the board or a piece of paper.
2. Read the problem out loud.
3. Write out the following under the word problem
 - What is the question?
 - What are the numbers we will need or be using?
 - How many was taken away (subtracted)?
 - What is the operation?
4. Underline or highlight the answers to the question above.
5. Write down the answer to the word problem.

Resources

[Subtraction Terms/Definition](#)

[Subtracting Word Problems](#)

[\(Video\)](#)

[Subtraction Word Problems \(3 numbers\)](#)

Standards:

CCSS.MATH.CONTENT.1.OA.A.1

CCSS.MATH.CONTENT.1.OA.A.2

Example: Issy had 15 candy bars. Zach ate 3 of those candy bars. His mom ate 5. How many candy bars does Issy have left?

Issy had 15 candy bars and Zack ate 3 of those candy bars. His mom ate 5. How many candy bars does Issy have now?

$$\boxed{15} \quad \boxed{-} \quad \boxed{3} \quad \boxed{-} \quad \boxed{5} \quad = \quad \boxed{7}$$

Original amount

Operation

Candy bars Zack ate

Candy bars mom ate

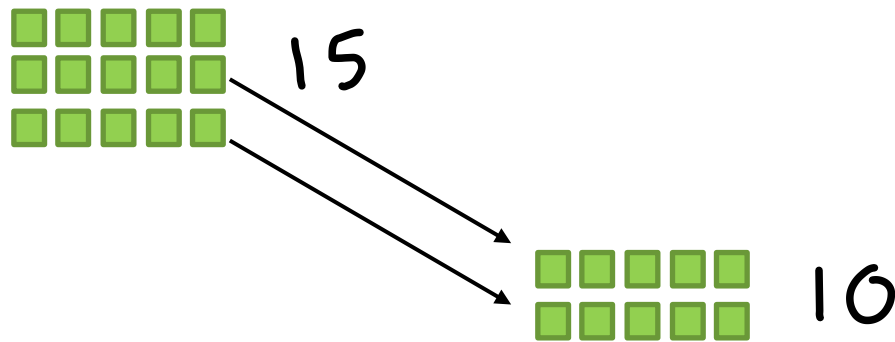
How many candy bars Issy has now?

6. Go over a few more examples, [watch subtracting word problems](#), and complete the Subtraction Word Problems (3 numbers) worksheet.

Subtraction Within 20

Finding an Unknown Number

1. Write out $15 - X = 10$ on the board or a sheet of paper.
 - Ask the students to layout 15 blocks
 - Ask students to move 10 of the 15 blocks to the other side of the table.
 - Ask students to count the remaining blocks
 - Explain that $15 - X = 10$ (then $X = 5$) so
 - $15 - 5 = 10$



2. Go over a few more examples, watch the [video subtraction finding the unknown](#), and complete the Finding an Unknown Number worksheet.

Resources

[Subtraction Terms/Definition](#)

[Subtraction with an Unknown \(Video\)](#)

Finding an Unknown Number
(Worksheet)

Standards:

CCSS.MATH.CONTENT.1.OA.D.8

Subtraction Within 20

Subtraction Terms/Definition

In math there are different ways you can describe an operation like subtracting. Here are some other words that mean to subtract. ** cut out and hand out to students for reference.

Subtract

-

Less than

Minus

Take Away

Less

How much is left

Difference

How many more

Decrease by

Reduced

Remain

Subtraction Within 20

I Can Subtract with Blocks

Example: $11 - 7 = 4$



$$\boxed{11} - \boxed{7} = \boxed{4}$$

Number of blocks Blocks removed Blocks remaining

a) $10 - 5 =$



$$\boxed{} - \boxed{} = \boxed{}$$

Number of blocks Blocks removed Blocks remaining

b) $20 - 6 =$



$$\boxed{} - \boxed{} = \boxed{}$$

Number of blocks Blocks removed Blocks remaining

c) $15 - 3 =$



$$\boxed{} - \boxed{} = \boxed{}$$

Number of blocks Blocks removed Blocks remaining

Subtraction Within 20

Subtraction Word Problems

Example: Issy had 15 candy bars. Zach ate 3 of those candy bars. How many candy bars does Issy have left?

15

Original amount

-

Operation

3

How many Zach ate

=

12

Candy bars left

1. There are 19 dogs in the shelter. 10 have been adopted. How many are left?

Original amount

Operation

How many adopted

=

How many left

2. Ms. Bram has 12 kids in her class. Today, 4 of the students were absent. How many are in her class today?

Original amount

Operation

How many absent

=

How many in class today

3. There are 20 stores on Beverly Ave. 15 of the stores are closed for the day. How many are still open?

Original amount

Operation

Closed stores

=

How many still open

Subtraction Within 20

Subtraction Word Problems (3 numbers)

Example: Issy had 15 candy bars. Zach ate 3 of those candy bars. His mom ate 5. How many candy bars does Issy have left?

$$\boxed{15} \quad \boxed{-} \quad \boxed{3} \quad \boxed{-} \quad \boxed{5} \quad = \quad \boxed{7}$$

Original Amount Operation Amount Zach ate Operation Amount mom ate Amount left?

1. There are 20 books available at the library. John borrows 5 of the books. Mary borrows 14 books. How many books are left?

$$\boxed{} \quad \boxed{} \quad \boxed{} \quad \boxed{} \quad \boxed{} \quad = \quad \boxed{}$$

Original Amount Operation Amount borrowed Operation Amount borrowed Amount left?

2. Vlad wanted a game that cost \$12. He paid \$10 on Monday and \$2 on Tuesday. How much does Vlad still owe on the game?

$$\boxed{} \quad \boxed{} \quad \boxed{} \quad \boxed{} \quad \boxed{} \quad = \quad \boxed{}$$

Original Amount Operation Amount Paid Operation Amount Paid Amount left?

3. There are 20 math problems on the worksheet. Amy completes 3 problems on Tuesday and 5 on Wednesday. How many more problems does Amy have left to do?

$$\boxed{} \quad \boxed{} \quad \boxed{} \quad \boxed{} \quad \boxed{} \quad = \quad \boxed{}$$

Original Amount Operation Amount completed Operation Amount completed Amount left?

Subtraction Within 20

Finding an Unknown Number

Example: $10 - X = 8$

I have 10 blocks if I remove X number of blocks, I will have 8 remaining. How many blocks do I remove?



$$\boxed{10} - \boxed{X} = \boxed{8}$$

Number of blocks

Blocks removed

Blocks remaining



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

Number of blocks

Blocks removed

Blocks remaining

1. $20 - x = 10$

I have 10 blocks if I remove X number of blocks, I will have 8 remaining. How many blocks do I remove?



$$\boxed{} - \boxed{} = \boxed{}$$

Number of blocks

Blocks removed

Blocks remaining



$$\boxed{} - \boxed{} = \boxed{}$$

Number of blocks

Blocks removed

Blocks remaining

Subtraction Within 20

Finding an Unknown Number (cont.)

3. $15 - X = 6$



$$\square - \square = \square$$

Number of blocks

Blocks removed

Blocks remaining



$$\square - \square = \square$$

Number of blocks

Blocks removed

Blocks remaining

4. $17 - X = 5$



$$\square - \square = \square$$

Number of blocks

Blocks removed

Blocks remaining



$$\square - \square = \square$$

Number of blocks

Blocks removed

Blocks remaining