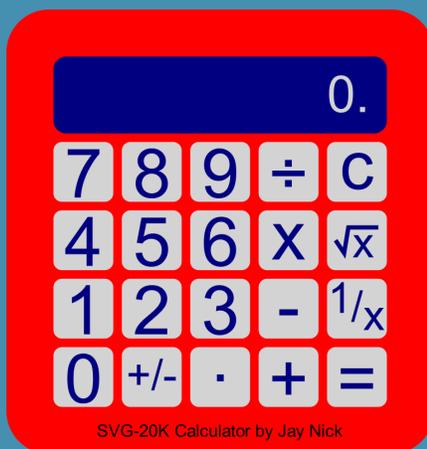


Subtraction



Kid2Kid Tutorials

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SUBTRACTION

GRADES:

KINDER, 1ST, 2ND, Homeschool

OBJECTIVES:

- Subtraction 0-9
- Subtraction within 20
- Subtraction double digit
- Subtraction mental math
- Subtraction unknown number

ABOUT US:

Here at Kid2Kid Tutorials we understand that tutors can be expensive that is why we offer educational videos for free. Our goal is to help you understand math concepts, provide homework help, and free tutoring (on YouTube).

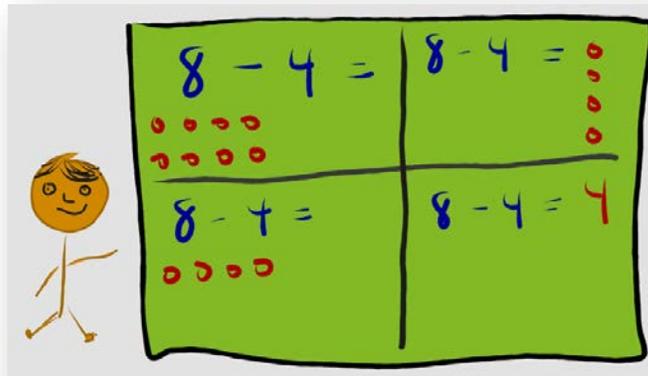
WHERE TO FIND US:

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LESSON PLAN:

SUBTRACTION 0-9

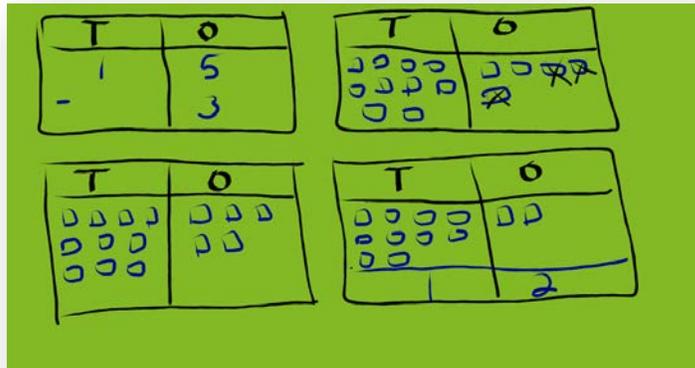
- Watch [video](#)
- Grab materials to practice – choose 1 or all
 - 10 blocks, or
 - Toys (cars, Legos, etc....), or
 - Poker chips, or
 - White/Black board (you can draw out objects or blocks)
 - Written numbers on note card (0-9) and note card with the subtraction (-) and equal signs (=).
- Teach
 - Line up the objects (0-9)
 - Have the student take X number of objects away (take away is a word that implies subtraction, this is important to know when the student must work with word problems).
 - Ask how many objects are LEFT (left is a word that implies subtracting, this is important to know when the student works with word problems).
 - Pick a number from the note cards and ask the student to place that many objects next to, below, or above the cards.
 - Take another number card (a number less than the first one) and ask the student to take away that number of objects from the first pile.
 - Ask the student what remains? Tell the student that is called subtraction.
 - Repeat this a few times. Once the student grasps the concept move on.
 - Now place down 2 cards with the subtraction sign and = sign. (8-4=)
 - Have the student place the number of objects corresponding with the first card (the 8 in this case).
 - Then ask the student to subtract (explain that means take away) the number of objects on the first card (in this case 4).
 - Ask the student to take the remaining objects (the ones not taken away) and place them on the other side of the = sign.
 - Ask the student to count the remaining objects.
 - Explain that $X-Y=Z$ (8-4=4)
 - Keep going until student understands the concept.



SUBTRACTION WITHIN 20

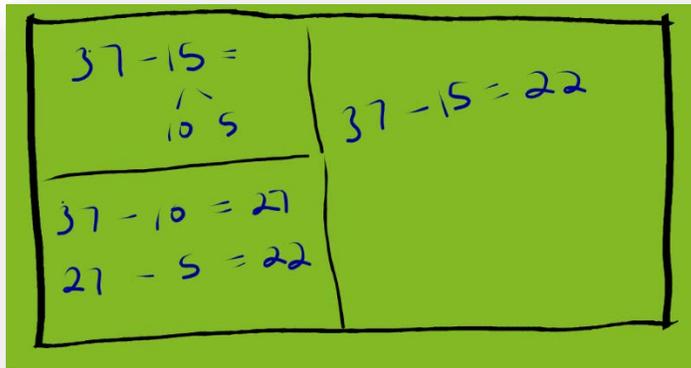
- Watch [video](#)
- Grab materials to practice
 - 10 blocks or,
 - Toys (cars, Legos, etc....) or,
 - Poker chips, or
 - White/Black board (you can draw out objects or blocks)
 - Written numbers on note card (0-20) and note card with the subtraction (-) and equal signs (=).
 - A place value chart can help tremendously with this lesson plan
- Teach
 - Follow the steps in the lesson above (subtraction 0-9)
 - Introduce the base 10 (lining objects in groups of 10)
 - Place a card 11 or above down and another card to subtract (don't forget the subtraction and equal signs.
 - Ask the student to place the number of objects from the first card down with groups of 10 (place value chart is useful). Depending on the number you placed they should have group(s) of 10 and some ones. Example: 15-3= there should be a group with 10 and a group with 5.
 - Explain that 10 and 5 combined equals 15.
 - Now have the student take away the number of objects on the second card. (In our example you would take away 3). Guide the student to remove the 3 from the smaller group (group of 5 in our example)
 - Have the student count the number of objects that are left.
 - In our example, we had 15-3 =

- We grouped the 15 into 10's and then ones
 - Then we took away 3 from the group of .
 - We are now left with 1 group of 10 and 2 ones
 - The student should count out the blocks. There are 12 blocks (1 ten and 2 ones) $15-3=12$
- Continue until student understands the concept



SUBTRACTION DOUBLE DIGITS

- Watch [video](#)
- Grab materials to practice
 - Ten's block or Legos you can stack and make 10's
 - Place value chart
 - Note card with numbers (10-99) or just write it on paper or white/black board
- Teach
 - Lay out cards or write a subtraction problem. Example: $37-15=$
 - Have the student break out the 37 into 3 tens' and 7 one blocks. You can use the place value chart until the student is comfortable writing it out without one.
 - Have the student subtract 15 from 37. Ask the student to first remove the blocks in the ones place (5) from the 7 ones.
 - Now ask the student to remove 10 from the tens blocks
 - Ask the student to count the number of blocks that remain. $37-15=22$
 - Continue until student understands the concept



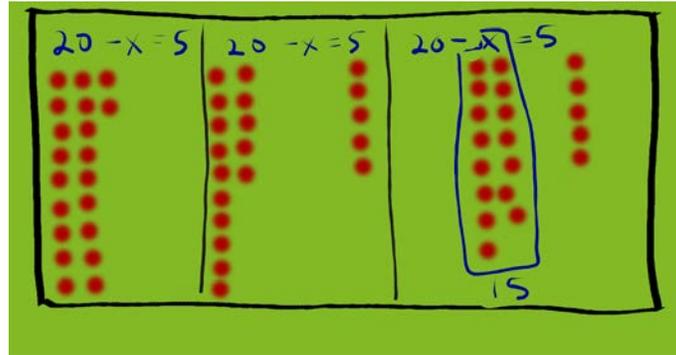
SUBTRACTION MENTAL MATH

- Watch [video](#)
- Grab materials to practice
 - By now you should not be using any materials except for paper or white/black board to write the problems down.
- Teach
 - Write down a problem for the student to work on. Start with 2 digits, then move up to hundreds, thousands, etc.
 - The steps to teach are all in the video.

SUBTRACTION WITH AN UNKNOWN

- Watch [video](#) on subtraction within 20
- Grab **materials** to practice
 - 10 blocks, or
 - Toys (cars, Legos, etc....), or
 - Poker chips, or
 - White/Black board (you can draw out objects or blocks)
 - Written numbers on note card (0-9) and note card with the subtraction (-), an "x" or anything that is not a number, and equal signs (=).
- Teach
 - Write down a problem for the student to work on or place down the number cards with a -, =, and X. Example: $20 - X = 5$.
 - Have the student place objects under the first number card (in our example it would be 20).

- Now have the student take the number of objects after the equal sign and move them over.
- Have the student count out the remaining blocks and place it under the X.
- The number placed under the X is the answer. $20 - X = 5$; $x = 15$. So, $20 - 15 = 5$
- Continue until student understands the concept.



SUBTRACTION WORDS:

- Fewer
- Difference
- Less
- Less than
- Minus
- Subtract
- Remaining
- Remains
- How many more
- Left

PRACTICE:

There are many ways to practice the concepts, I have listed a few. There are probably more sites, I prefer the ones below. Find one that works for your student.

If the student prefers to learn online, you can try the following:

- [Khan Academy](#)
- [Math is Fun](#)
- [IXL](#)

If your student prefers workbook's you can purchase them on Amazon or a teacher store. You can also make your own worksheets:

- [edHelper](#)
- [Math Goodies](#)
- [Common Core Worksheets](#)
- Or just create one on a piece of paper.

If your student hates both method's, you can try the following:

- Have them "teach" you or someone else. Show them the problems and ask if they can help you with them.
- Write a problem on the board and ask them to solve it.

Let them tell you without writing anything down. My older son preferred to just tell me than write it down. If I had him write it, he would throw a fit. If I asked him to just tell me the answer, he would.