

Numeracy Gr 2 Dec 7

Activity 2: Subtracting using an open number line

Materials Needed:

- This sheet.

Task Instructions:

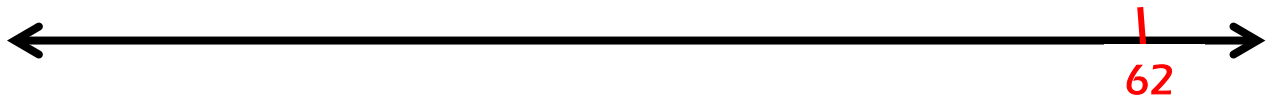
Vocabulary: in a subtraction question, the quantities are named as follows:

MINUEND – SUBTRAHEND = DIFFERENCE

Show your child how to subtract using number lines. There are two possible ways to do it highlighted in this [video](#).

EXAMPLE QUESTION: $62 - 25 =$

Step 1: Place the minuend (higher number) near the right end of the number line. Number lines always go from lower on the left to higher on the right.



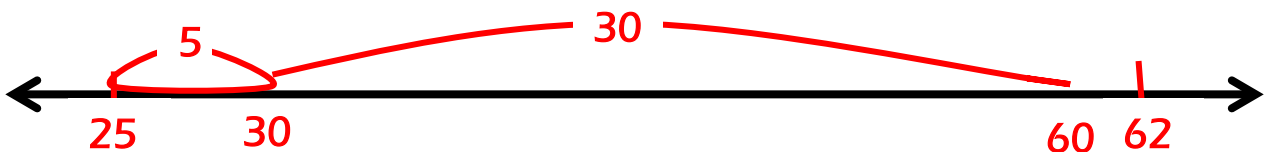
Step 2: Place the subtrahend (the number being subtracted) on the left of the number line.



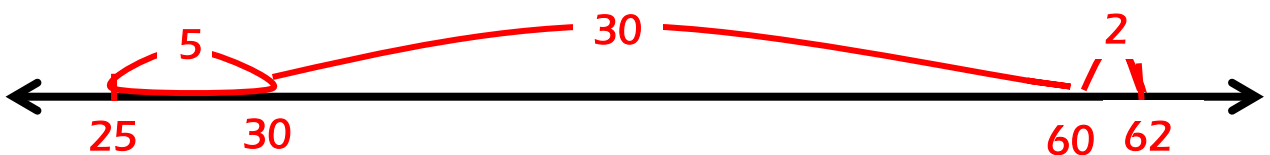
Step 3: Go to the next multiple of 10 from the subtrahend, keeping track of how much your step is:



Step 4: Count up the tens until you get to the biggest ten before the minuend.



Step 5: Count the last ones to your minuend.



Step 6: Count all of your jumps: $5 + 30 + 2 = 37$. Therefore, $62 - 25 = 37$

Practice Questions

1. $72 - 31 =$



2. $89 - 56 =$



3. $63 - 19 =$



4. $54 - 25 =$



5. $91 - 38 =$



Parent Tip: This may seem overly complicated if you are already adept at using the usual subtraction method or algorithm. However, number lines are very important tools for children learning math as they bridge the concrete forms (like the base 10 blocks in Activity 1) and the purely abstract numbers (as we will have in next week's lesson). Also, becoming familiar and adept at using the number line as a tool is a skill we will ask them to use all the way up to Grade 12 math and beyond, so introducing it now as a representation is good. If your child is completely unfamiliar with the number line, go [here](#) for an introduction. If your child finds these two digit questions too simple, move to the Gr 3 lesson for this week (3 digit subtraction).