

Second class

Helping your child with subtraction: tens and units

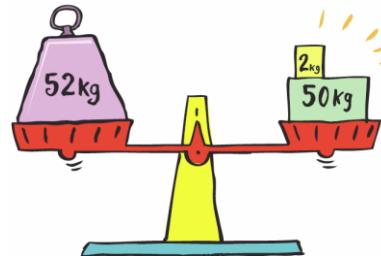
Helping your child with maths homework can sometimes seem tricky. For example, if you had to work out a subtraction problem such as

$$52 - 27 = \square$$

you may ‘borrow’ a one and then ‘pay it back’ when you notice that you cannot take 7 away from 2. This is how you may have been taught to do it at school, and the finished problem would look like this:

$$\begin{array}{r} 5\ 1\ 2 \\ - 2\ 1\ 7 \\ \hline 2\ 5 \end{array}$$

When the number on the bottom is too big to subtract from the number on the top, your child would probably use **renaming** if he or she had to work out the answer. This is because your child has been taught to think about numbers such as 52 as 50 and 2 and not as 5 and 2.



Using **renaming** to subtract big numbers helps your child to understand what he or she is doing and why, as opposed to simply following a rule of thumb. This tip sheet is a step-by-step guide in helping your child to use **renaming** to subtract numbers from each other using the example above, $52 - 27$. It may help your child to understand and use renaming if he or she could use objects such as cubes, counters, buttons, or money.



Step one

Read the problem aloud.

Tens	Units
5	2
- 2	7

52 take away 27 equals what?

Can you **estimate** (approximate) what the answer will be?

**Step two**

Draw the problem or use objects, for example, **count out/up the number 52 in tens and units using money:**

Tens	Units
10	1
10	2
10	3
10	4
10	5

Step three

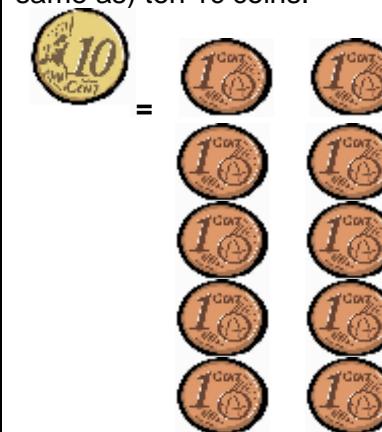
Circle the bigger number in the units column:

Tens	Units
5	2
- 2	7

Ask your child: *Can you take 7 cent away from 2 cent? No?
So, what can you do?*

Your child could say this little rhyme:
*More on top?
No need to stop!
More on the floor?
Go next door.
Get one ten.
That's ten units more.*

Notice that one 10c coin is equal to (the same as) ten 1c coins:



Step four

Help your child to **exchange** (swop) one 10c coin for ten 1c coins. Show your child four 10c coins and twelve 1c coins.

Tens	Units

Ask your child: *How many 10c coins do you have now? How many 1c coins?*

Then ask: *Can you say 12 cent in another way?*

Record what you have done as follows.

Tens	Units
4 <u>5</u>	¹ 2
- 2	7

Step five

Try working out the problem. Begin with the units' column.

Tens	Units

12 cent, **take away** 7 cent, **leaves** 5 cent.

Tens	Units
4 <u>5</u>	¹ 2
- 2	7
	5

Step six

Next work on the tens' column.

Tens	Units

Four 10c coins, **take away** two 10c coins, **leaves** two 10c coins.

Tens	Units
4 <u>5</u>	¹ 2
- 2	7
2	5

And the **answer** is: Fifty-two take away twenty-seven equals twenty-five.

$$52 - 27 =$$

