

Revision or Re-learning

Timetable / Revision Planner

Discuss:

Why might talking aloud be a useful revision strategy?



Revision Technique: *'Self-explanation'*

What is it? **Self-Explanation** is the practice of thinking out loud.

Purpose: To talk to yourself as you work on a problem. Ask questions, find specific answers, try different solution paths, comment on mistakes, identify changes in approach, etc.

Your revision task:

- Make a list of prompts for **self-explanation**. For example: maths problems; questions to explore; key concepts / technical terms or vocabulary for different subjects that you need to understand, etc.
- Talk yourself through a problem / work out or explain a definition / idea, etc. from your list. You can make it more challenging (Eg: 1 min. to work through 1 self-explanation).

Questions and statements like these might be useful to support your problem solving / commentary during the self-explanation process:

- 1. What information do I need to know in order to solve this problem?*
- 2. Where can I find this information?*
- 3. Has this already been solved or answered?*
- 4. Do I have all the parts or information I need?.*
- 5. What do I need to know next?*
- 6. What would be another example of this?*

- 1. I need to be clearer on that.*
- 2. I don't understand – I need to find out more about that.*
- 3. Now I understand this.*
- 4. These examples will help me understand.*
- 5. That didn't work. Why not?*
- 6. That worked. I can try it again.*

See the next slide for an example of self explanation for a maths problem.

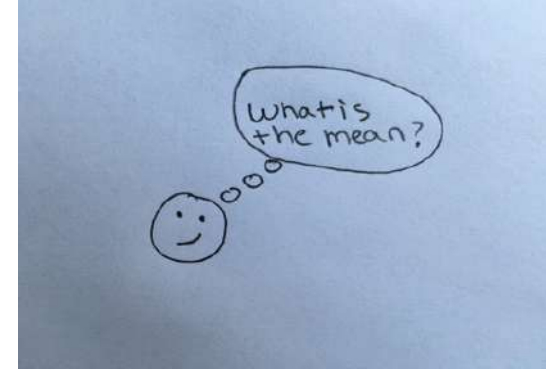
Step 1.

What do I need to work out with this problem?

I need to find the "mean" of a set numbers.

What is the "mean" in maths?

The "mean is the average.



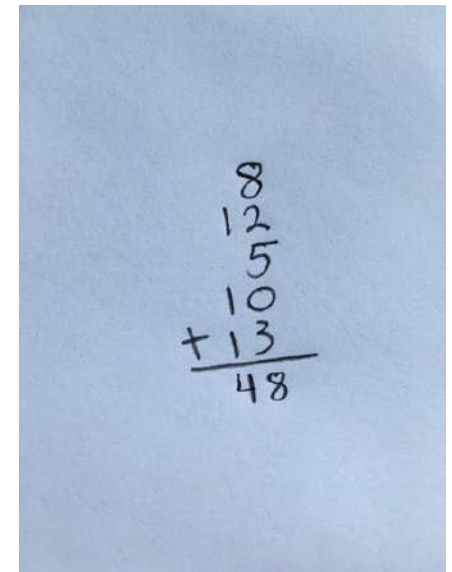
Step 2.

The numbers I have in my number set are 8, 12, 5, 10, 13 so I need to find the "mean" of these numbers.

Step 3.

How do I work this out?

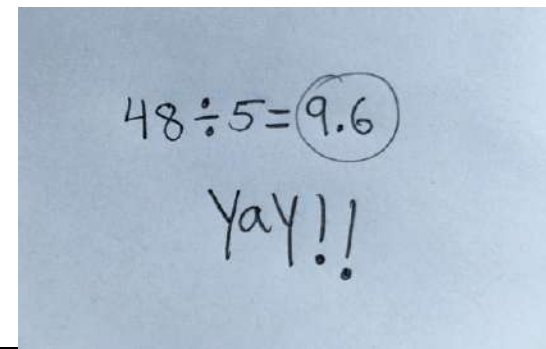
To find the mean, I first need to add all of these numbers up... I got 48.



Step 4.

What do I need to do next?

Next, I need to divide the sum of these numbers by the count, which is how many numbers there are in this set. There are 5 numbers in the set so I will divide 48 by 5.



Step 5. *The mean is 9.6! Can I work out the mean of a different set of numbers now?*

Revision Technique: *'Peer Teaching'*

What is it? Students **teach a peer** a topic/term/concept from their revision.

Purpose: Peer teaching enables students to **elaborate** on their knowledge. It gives the opportunity to retrieve information, rehearse and memorise, encode, activate knowledge and information, actively engage with topics and remain on task.

Your revision task:

- Make notes as you work through your self explanation
- Use your notes to teach your partner about that specific topic / concept / device / definition, etc.
- Summarise your notes, check the understanding of your listener.
- The listener may correct any errors, fill in any omitted material and work with you to think of ways to remember the material that you are teaching.
- Switch roles.

