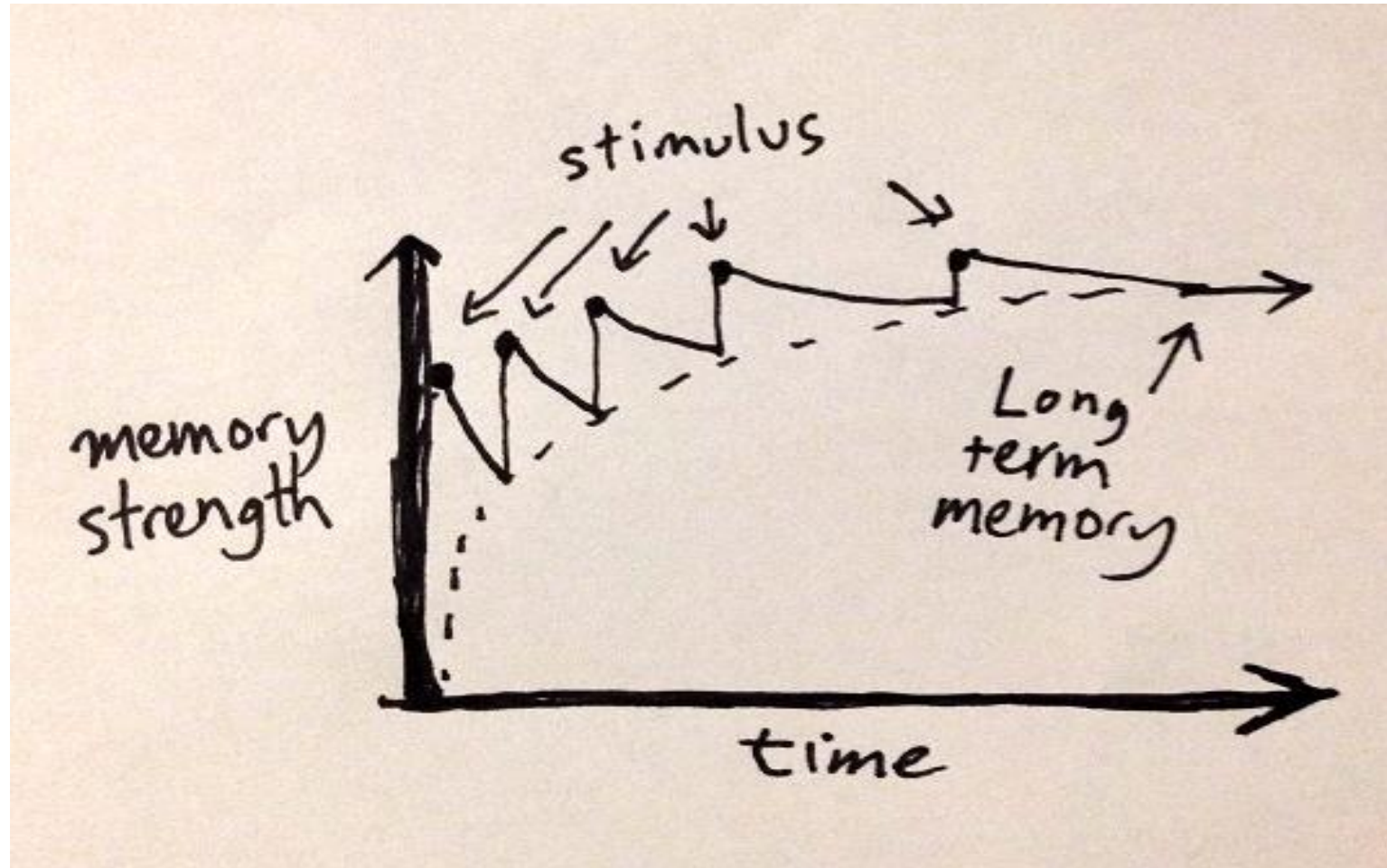


Spacing Effect (Distributive Practice Effect) for better retention



Herman Ebbinghaus

- First to propose an experimental study of memory, inspiring a new science of learning and memory.
- Tested a single subject: himself ... for over 2 years.
- To minimize the effects of previous learning, he:
 - Studied, tested, and relearned nonsense syllables comprising consonant–vowel–consonant combinations, e.g. WUX.
 - Avoided making associations with real words.
- He always tested himself under similar conditions, including time of day.
- He aimed to determine the rate of learning and forgetting.



Spacing Effect Practice

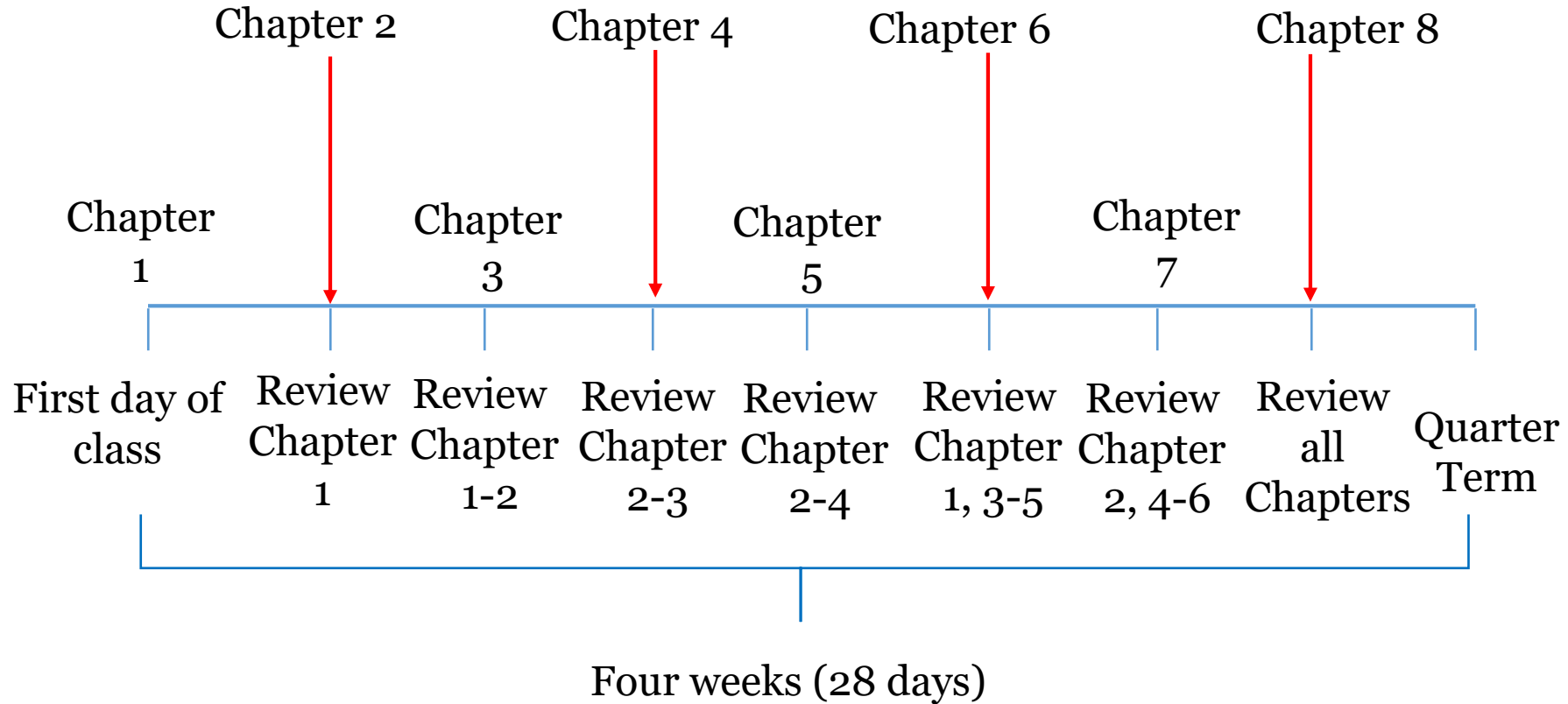
- **The Spacing Effect:**

- It is better to space out learning trials sparsely (thinly) across a period of time than to mass them together into a single learning block.
 - This leads to faster improvement rates and more lasting retention.
 - The benefit is *not* related to fatigue with denser learning.

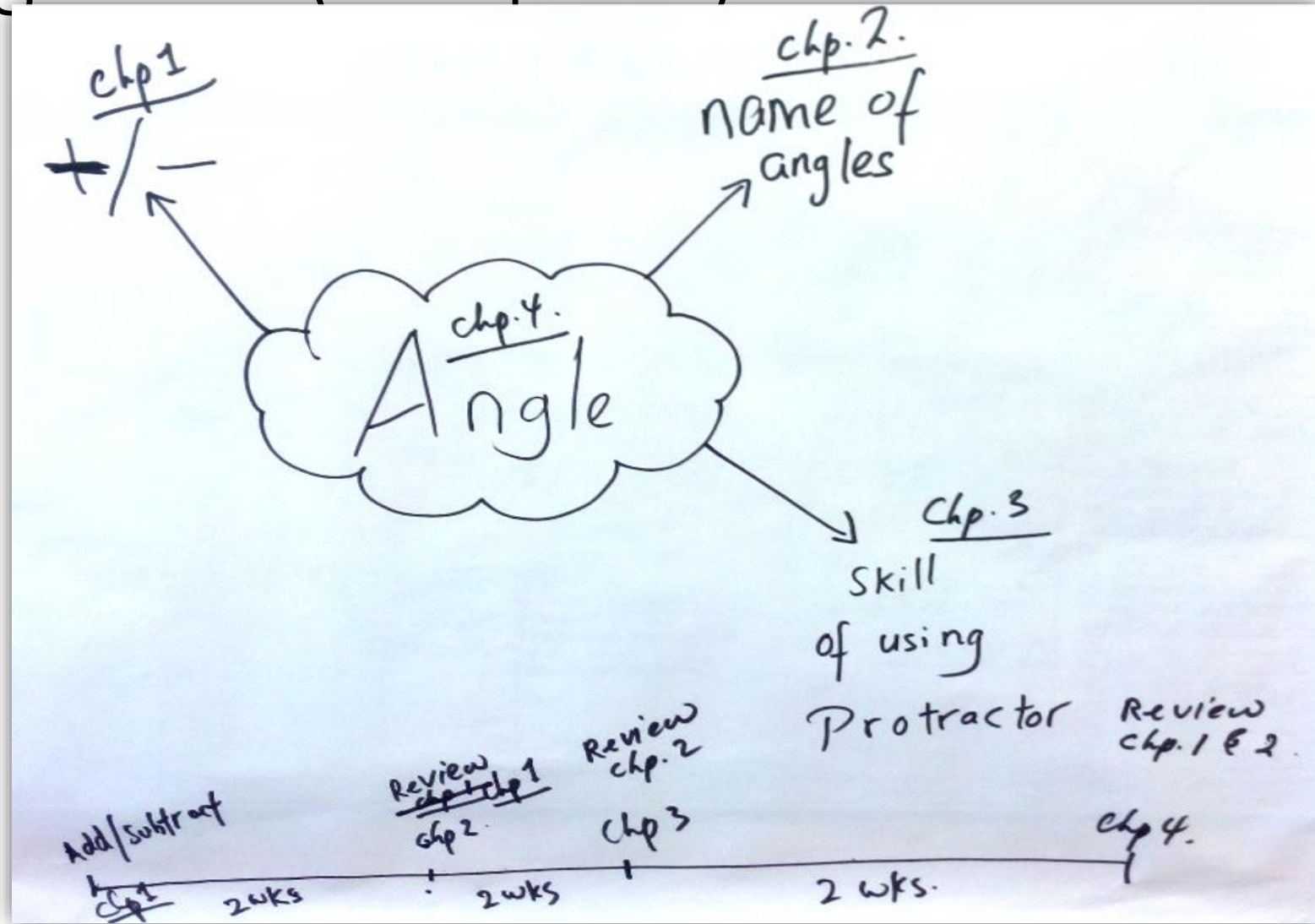
- **The Adverse Effect:**

- As distributed practice takes longer in absolute terms (i.e. less actual training, but more days), it is not always practical or convenient.
- Individuals using distributed practice often paradoxically feel as though they're being less efficient.

Spacing of Study Sessions-Sample for every levels



Spacing Effect (Sample-1)



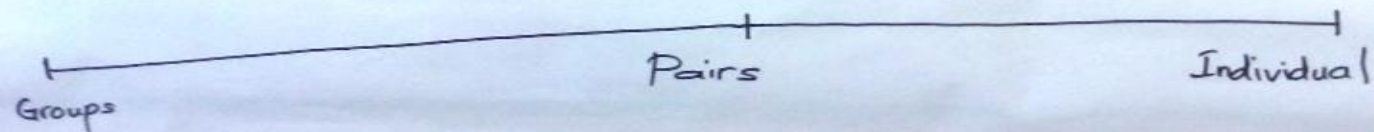
Spacing Effect (Sample - 2)

Weekly Quiz } Every Saturday

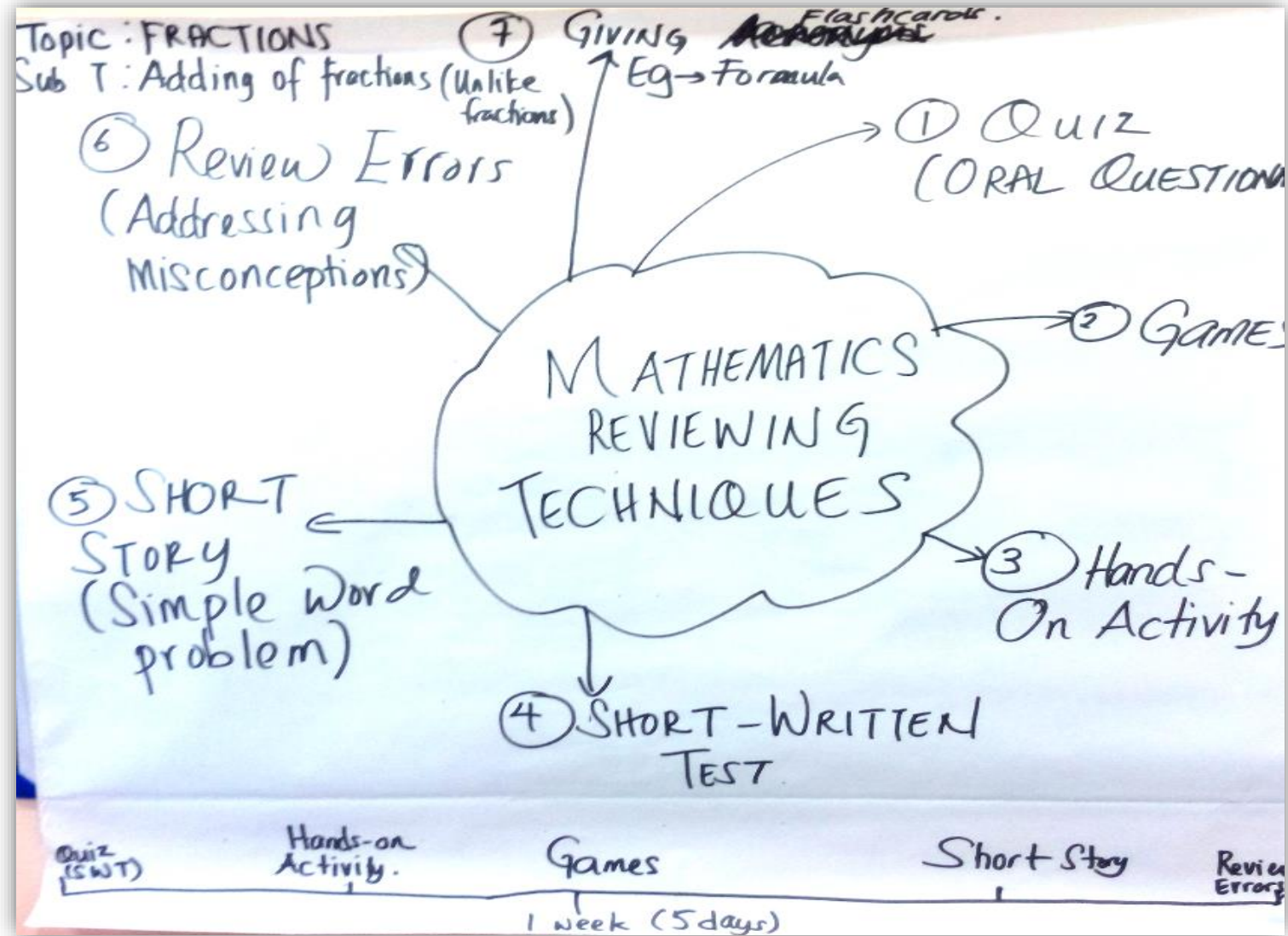
* 7 questions (2 qns from 3 random topics + 1 qn from current topic)
6 questions

How? Written/Oral (Alternately)

Materials? Powerpoint slides → G 30 secs
Worksheet B 40-50 secs
R 1-2 mins



Spacing Effect (Sample – 3)

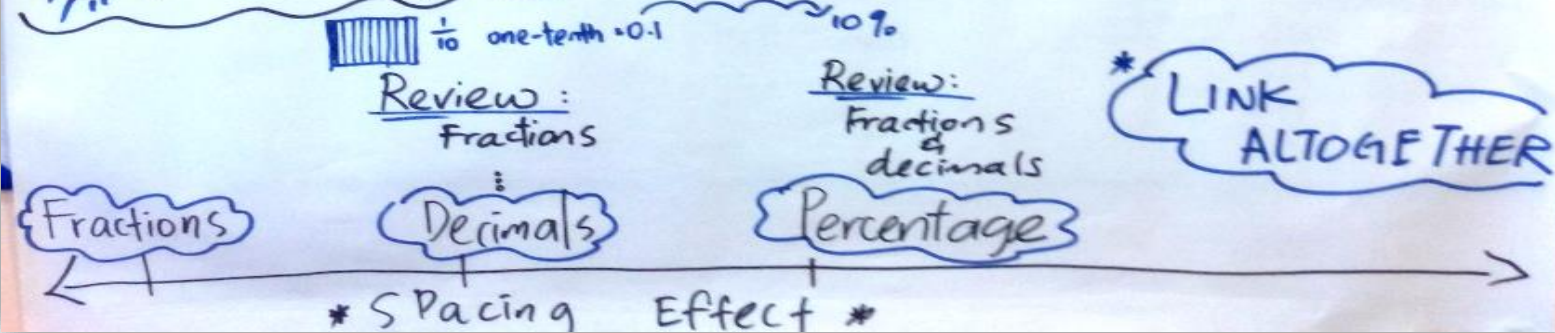


Spacing Effect (Sample – 4)

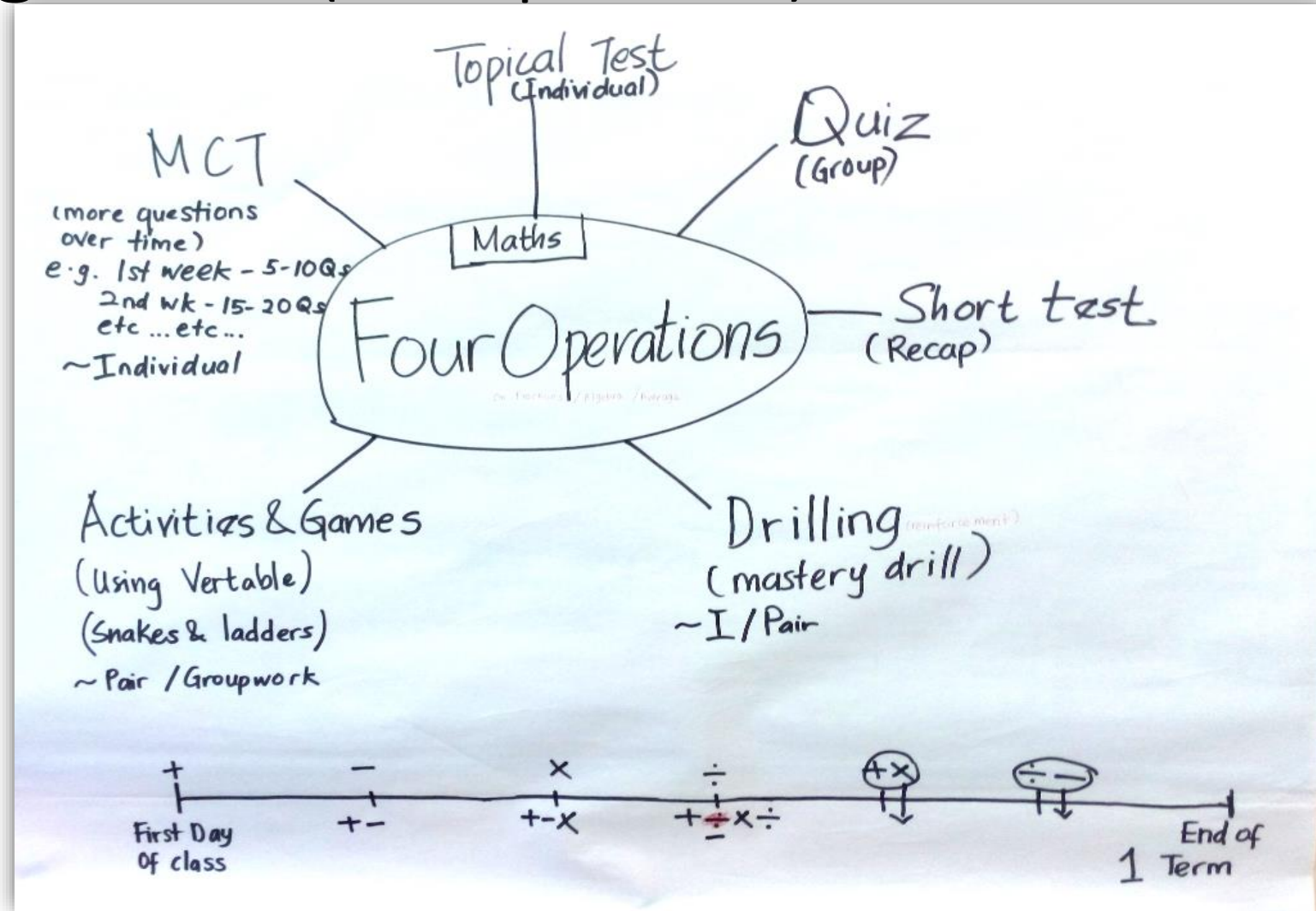
Year 5

How to Review?

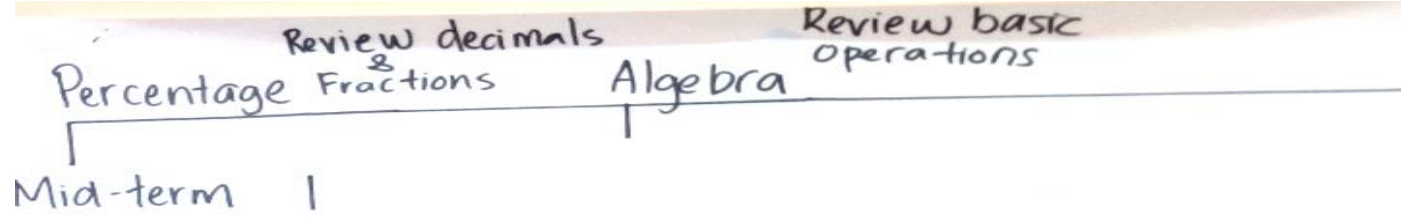
- ☀ CPA approach (concrete is during the introduction part)
- ☀ Questioning & discussion.
- ☀ Include few questions from previous topics in written work.
- ☀ Homework
- ☀ Enrichment



Spacing Effect (Sample – 5)



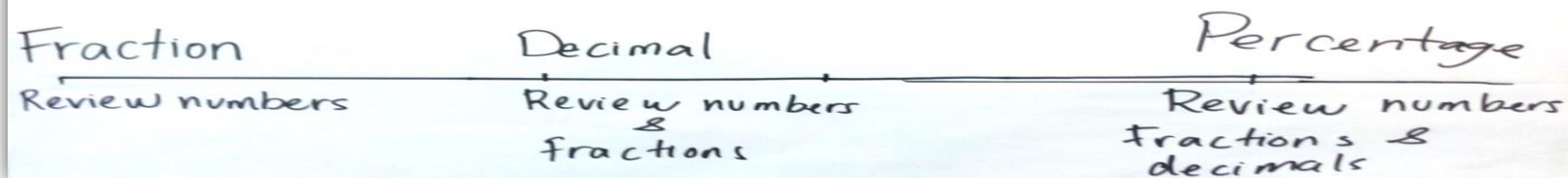
Spacing Effect (Sample-6)



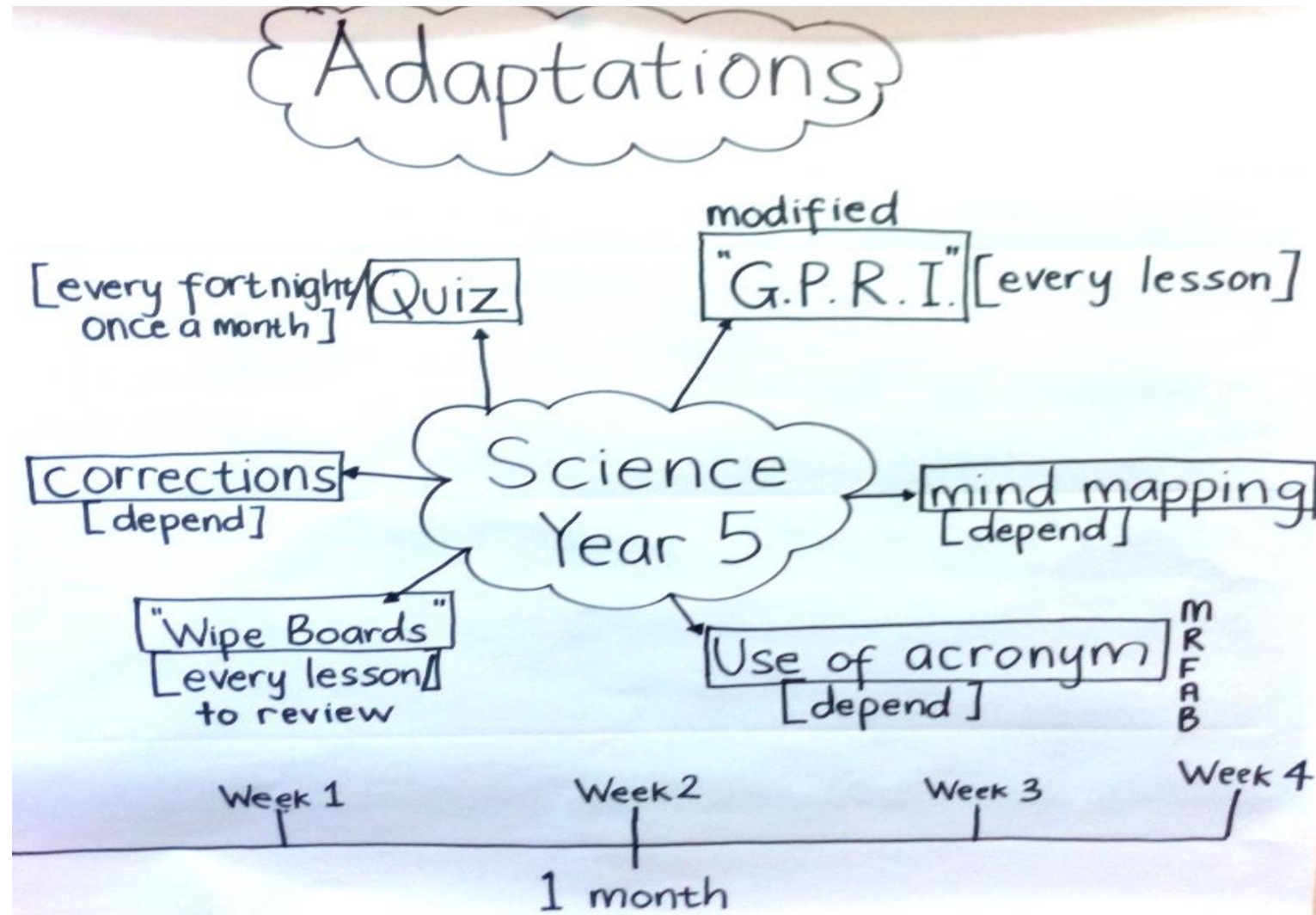
How to review Previous topics (Maths)

Prime numbers
- even / odd numbers
(Use number-chart and colour the even numbers.)

Factorization
- Multiplication.
- Division.
- Revise prime numbers. (Listing)
▷ Use multiplication frenzy.
▷ Mastery-drill



Spacing Effect (Sample -7)



Methodology Resources:

- Full Powerpoint on Spacing Effect (Distributive practice effect) for better retention.

<https://goo.gl/uW286D>



- Or QR code (The spacing effect- Teachers in action- Memorial University)

<https://goo.gl/Ko86ln>



For inquiries:

- Please contact cluster team for further explanation at 3330412 or email to jss.kualabelait@gmail.com