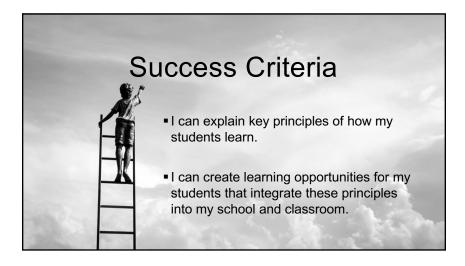
- 1. Learners remember everything. They simply cannot retrieve some information at certain times.
- 2. Physical education improves learner performance in mathematics and literacy.
- 3. Offering learners the opportunity to struggle leads to better learning.
- 4. Completing a significant amount of reading, note-taking, and problems leads to better learning.

To better understand how my students engage in learning and the implications on my teaching.











Tractor Ocean
Green Nicely
Apple Countertop
Zero Airplane
Weather Jump
Pastel Laugh
Quickly Tall

## #1

#### #2

#### Complete the following:

- 1 + 5 = ?
- 2 + 4 = ?
- 3 + 3 = ?
- 4 + 2 = ?
- 5 + 1 = ?

- 1. Choose any number between 2 and 9.
- Add it to itself and record your answer.
- Then, increase your chosen number by one and decrease your chosen number by one.
- Add the two resulting numbers. What do you notice?

Hattie, Fisher, and Frey, 2017

#### #1

# Order the following fractions by first finding a common denominator.

19/15 11/15 7/12 41/30 5/6 1/2 #2

- Predict where you think 11/8 should be on the below number line.
- 2. Explain why you placed 11/8 where you did.
- Draw and label a few other points to help you explain your reasoning.

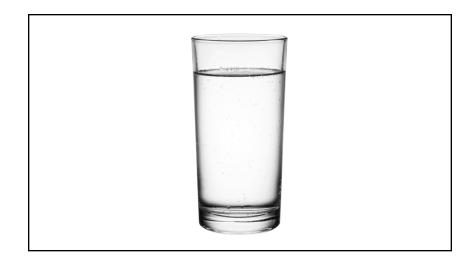


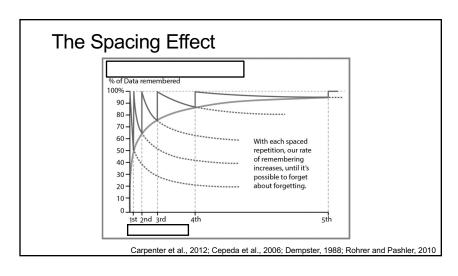
# Representation Patterns Emotion

Median, 2008

### Retrieval Practice/Testing Effect

- Instead of repeated <u>restu\_\_\_\_\_g</u>, learners are far better off <u>tes\_\_\_\_\_g</u> themselves, both early and often (Roediger & Karpicke, 2006).
- The act of retr\_\_\_\_l is a memory modi\_\_\_\_r. Whatever infor\_\_\_\_n is retr\_\_\_d
   becomes strengthened (Bjork, 1975).
- With fee \_\_\_\_k, either by seeing the answers or rev \_\_\_\_g the information, the benefits of tes \_\_\_\_g become even more powerful (Hayes et al., 2010; Pashler et al., 2005).
- For mult \_\_\_e ch\_\_\_e questions, have students justify why a particular answer is
   cor\_\_\_t and why other answers are incor\_\_\_t (Chan et al., 2006; Little et al., 2012).
- When material is studied over sev\_\_\_\_I sess\_\_\_\_s and tested in a new context,
   var\_\_\_\_g the contexts of study results in be\_\_\_\_r perf\_\_\_ce (Smith et al., 1978 Smith & Vela, 2001).





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2. Build ex	and int	
3. Re with ev		
4. Make co	<u>·</u>	
<ol><li>Consider different v</li></ol>	and	
pe		
<ol><li>Capture the big i</li></ol>	and form co	
7. Promote inquiry or the	a of more q	
8. Uncover the co	by going below th	16





