Differentiating STEM Explorations for Special Education Students with Desmos Activity Builder

Modifying STEM Tools for the Needs of Special Education Students

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- I am ___, from ___.
- I remember ___ of these things.
- It reminds me of ___.

Learning Targets

- Participate in a sample Desmos lesson
  - Tour participant features of Desmos
  - Tour Desmos Teacher Dashboard
- The “Desmos potential”
- Explore strategies for scaffolding a sample lesson

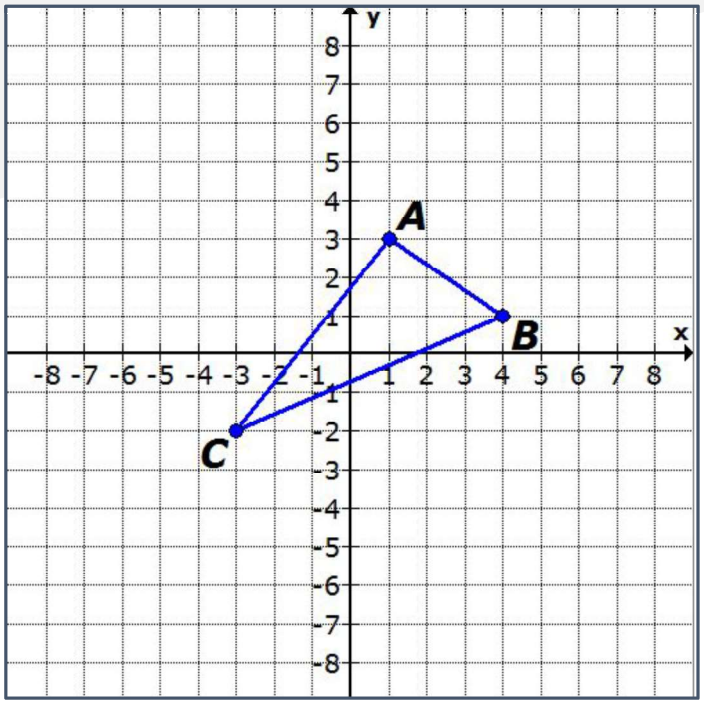
Elgin County Archives

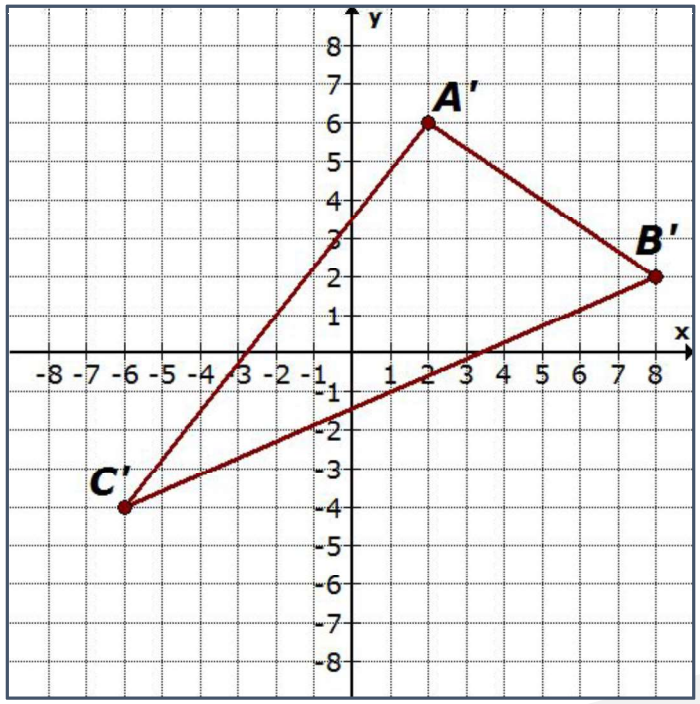

https://commons.wikimedia.org/wiki/File:Computer_Lab_of_hostel0413.jpg

TEKS 8.3(C)

use an algebraic representation to explain the effect of a given positive rational scale factor applied to two-dimensional figures on a coordinate plane with the origin as the center of dilation

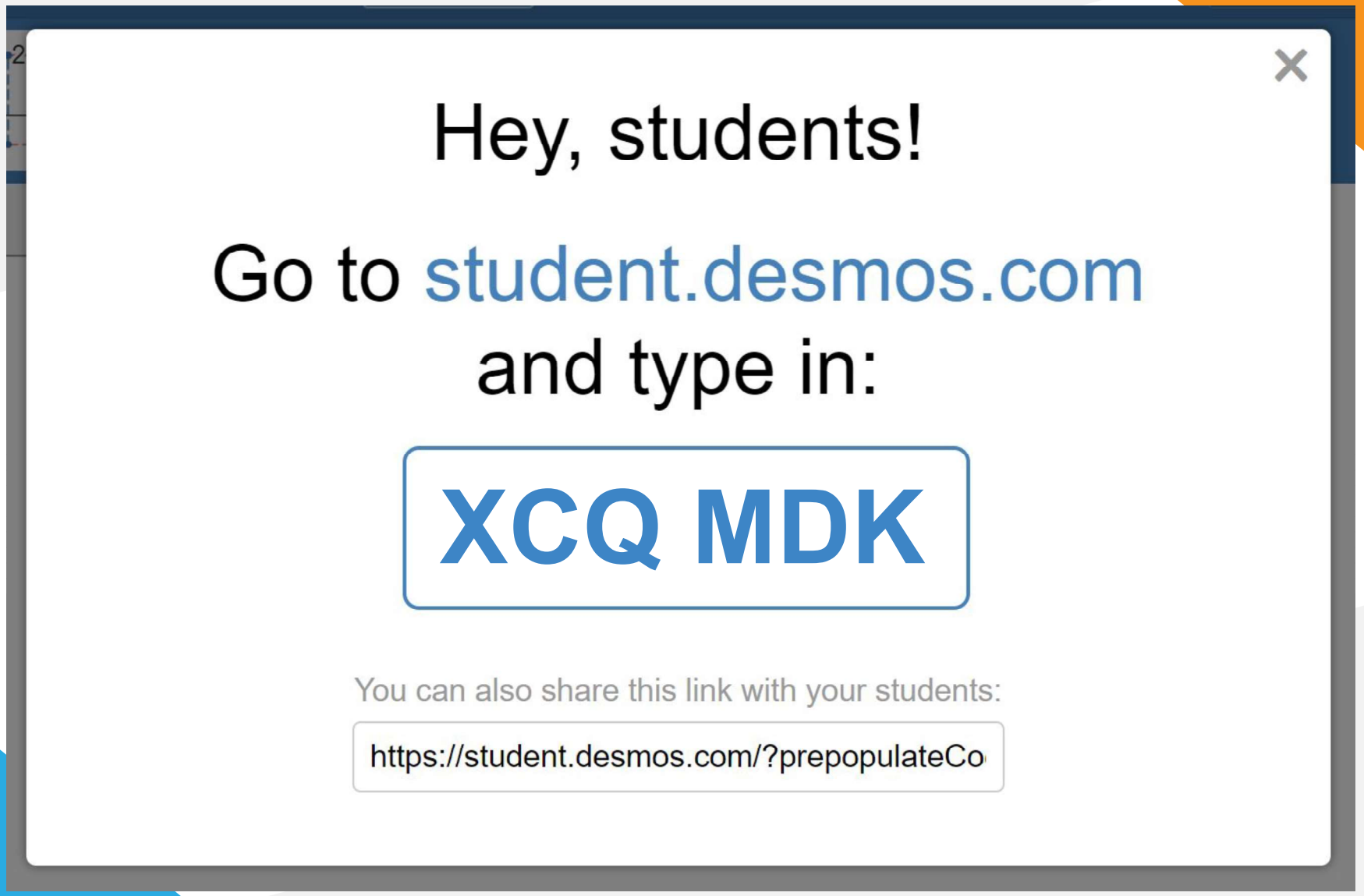
Triangle *A'B'C'* is a dilation of triangle *ABC*.





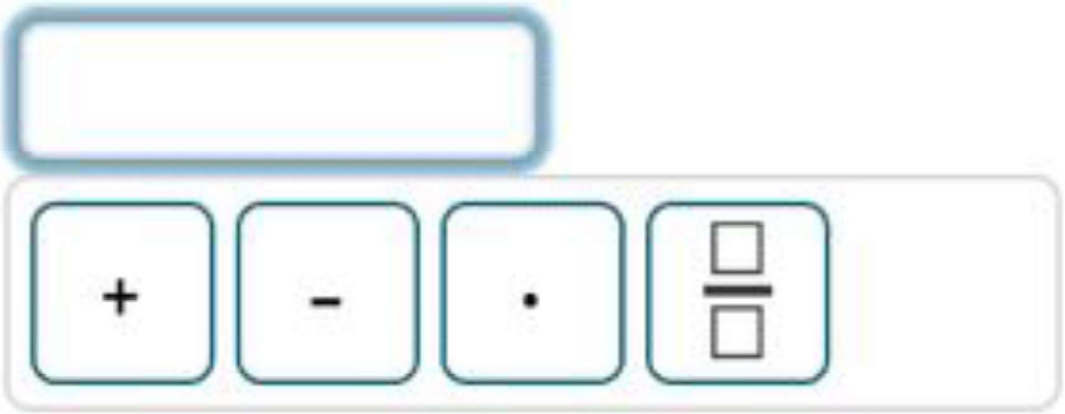
Record the coordinates of A and A'.

What do you notice?

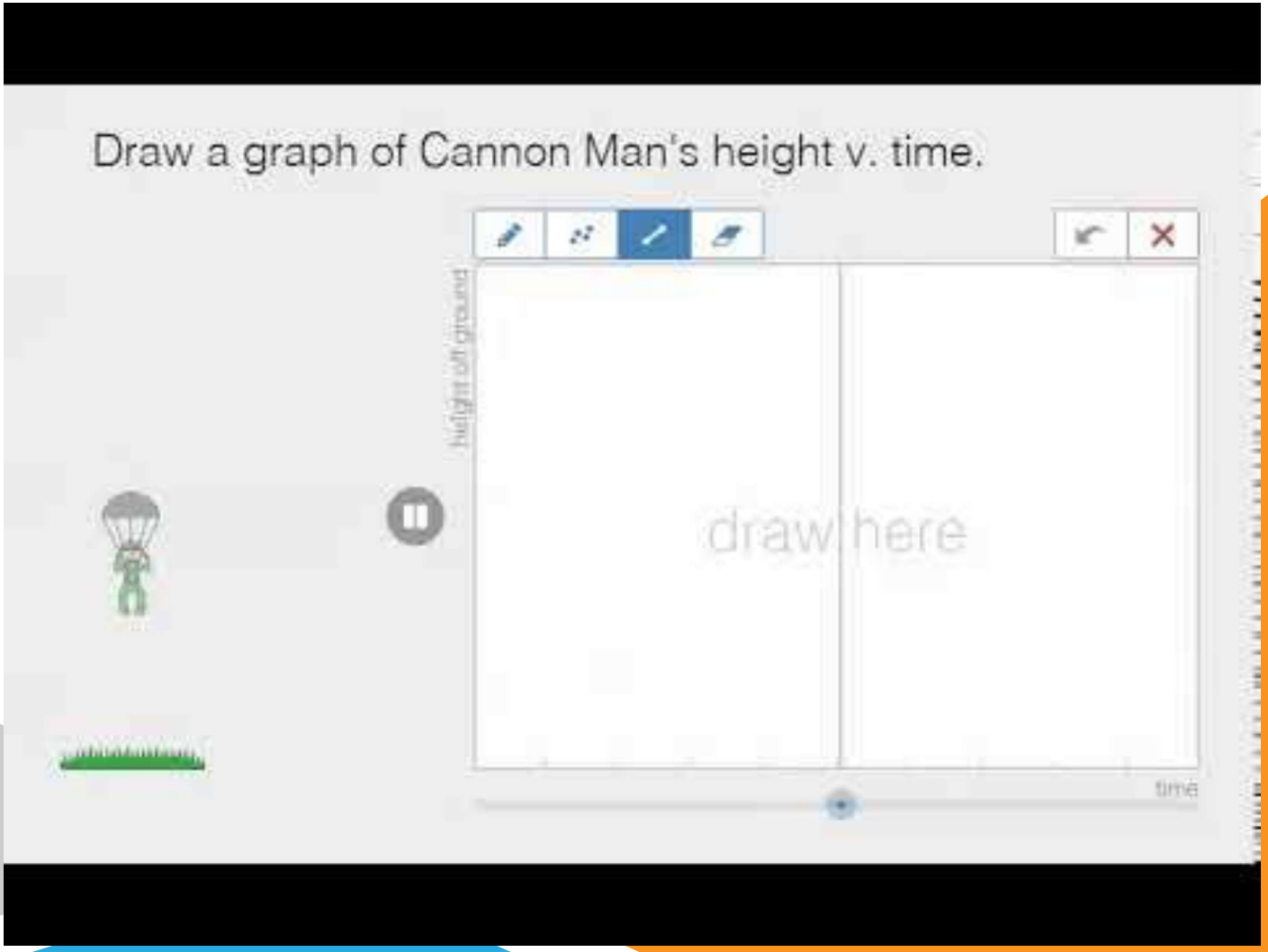

Hey, students!
Go to student.desmos.com
and type in:
XCQ MDK
You can also share this link with your students:
https://student.desmos.com/?prepopulateCo

Images from Dan Meyer

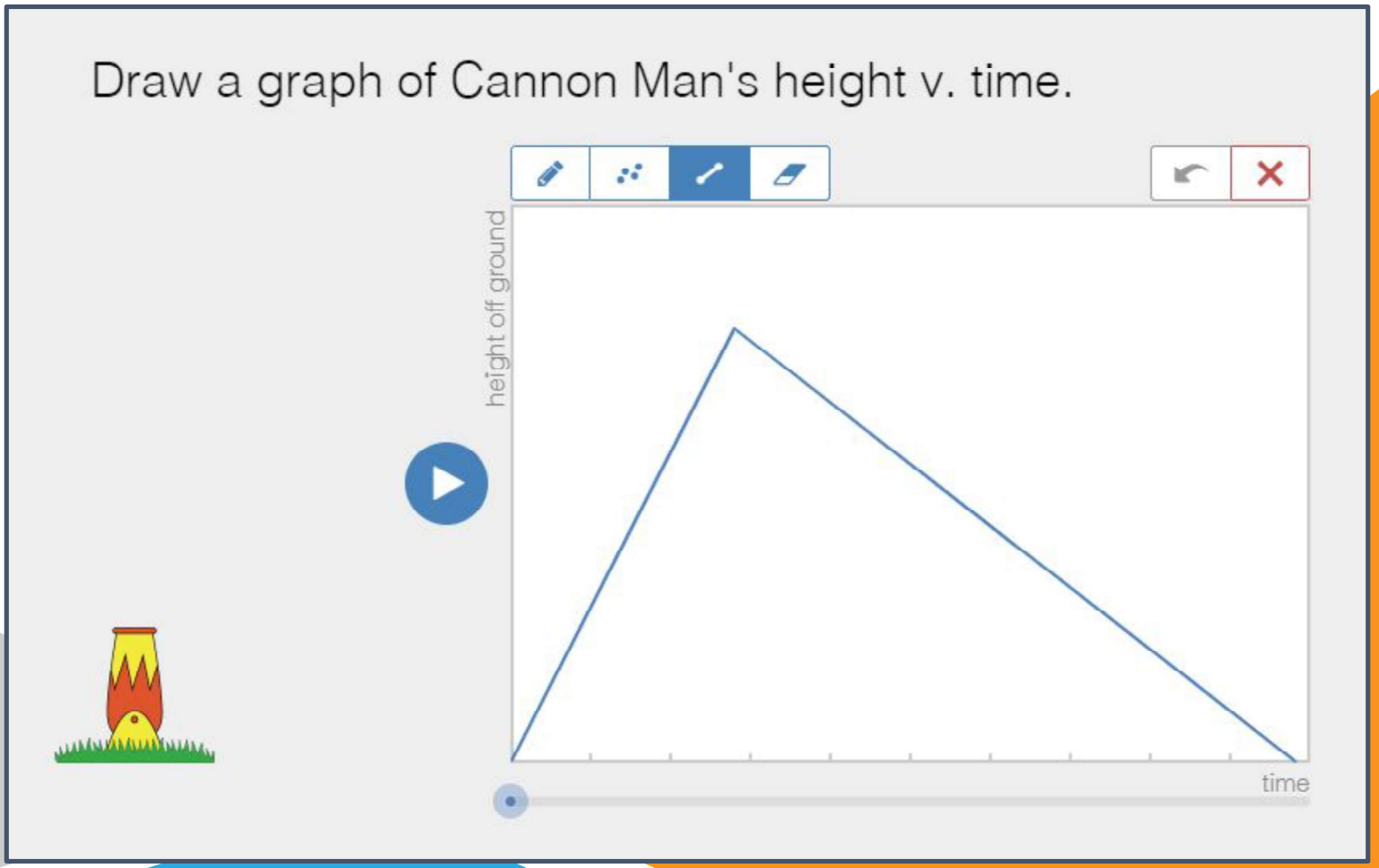
Write an expression for "the quotient of 9 and c."



Images from Dan Meyer



Video captured from desmos



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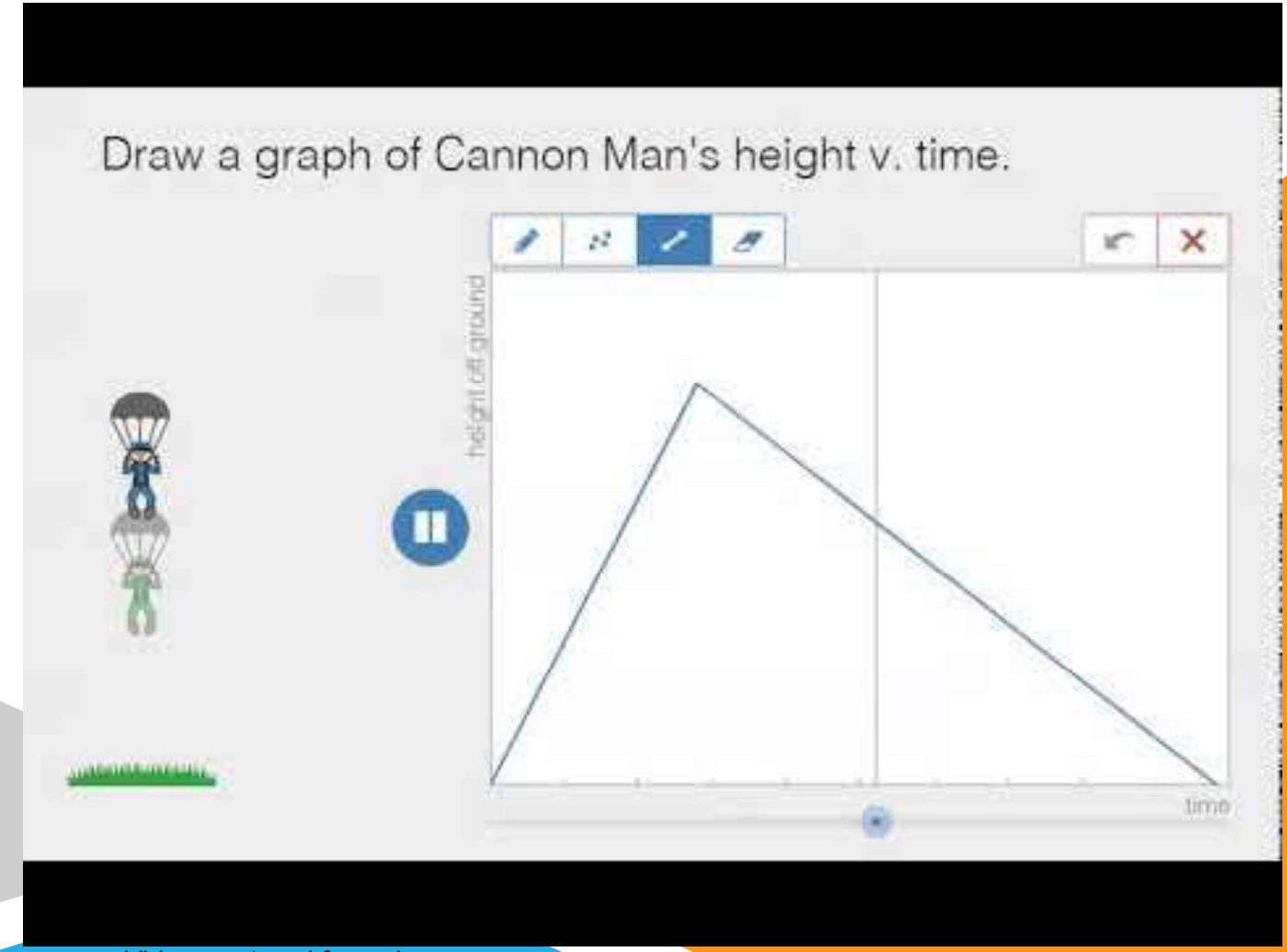
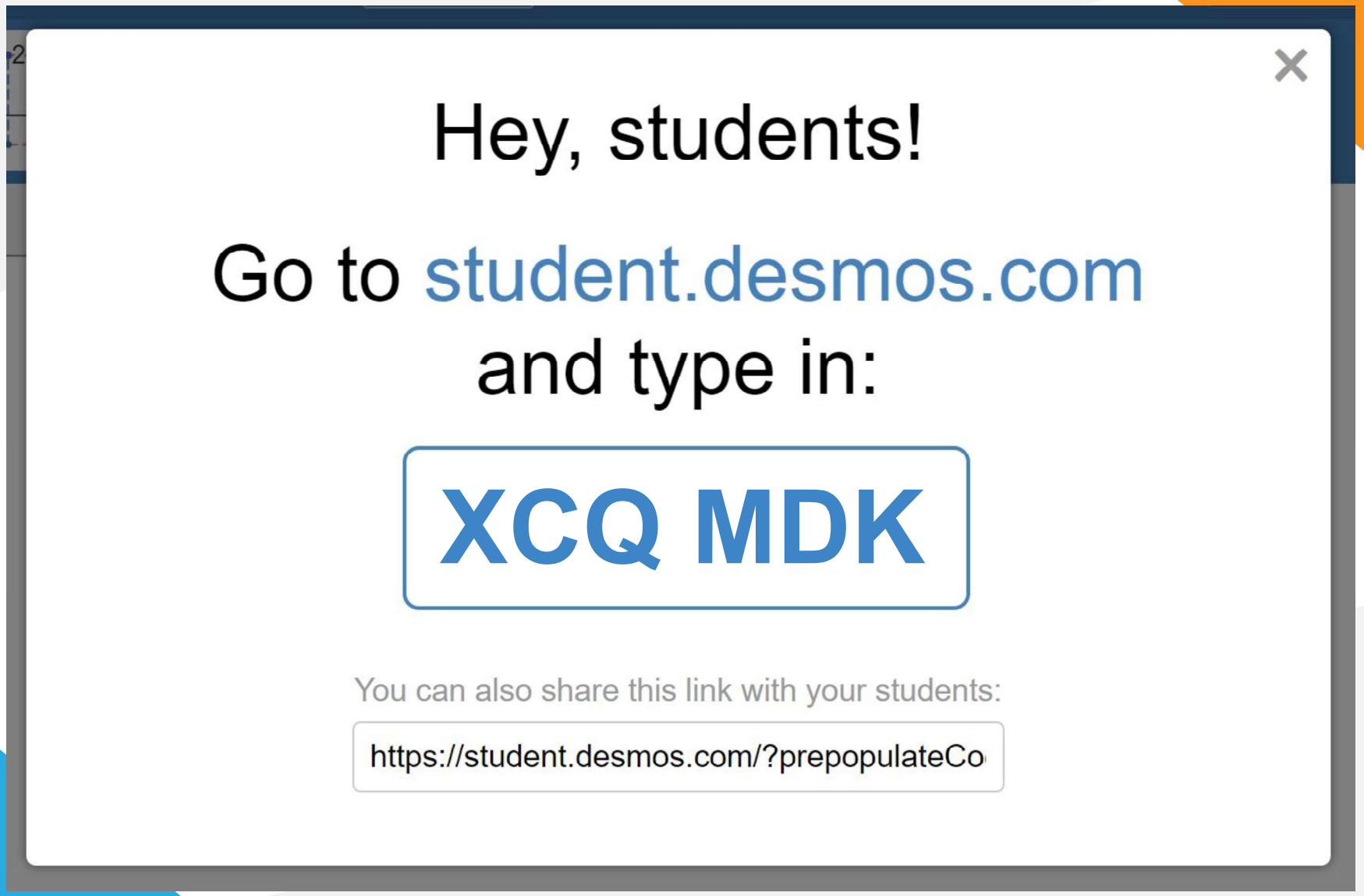


Video captured from desmos

Don't scaffold out the sense-making. Math is only enjoyable if you're in charge of it.

-Tracy Zager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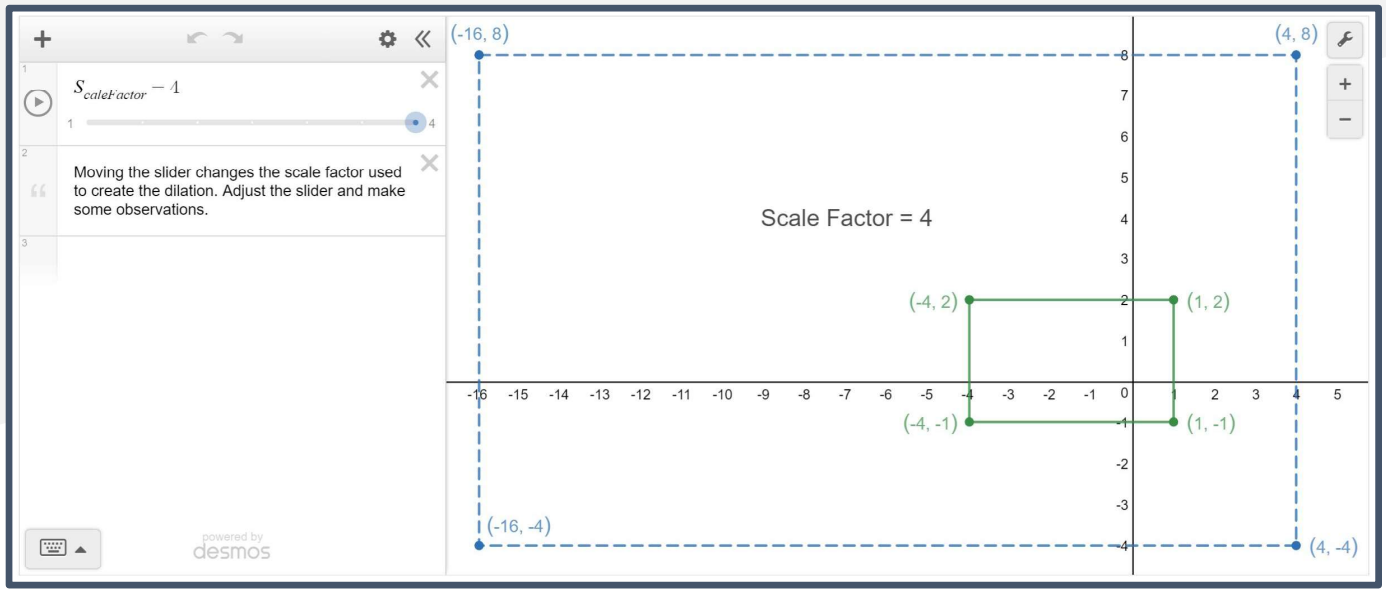
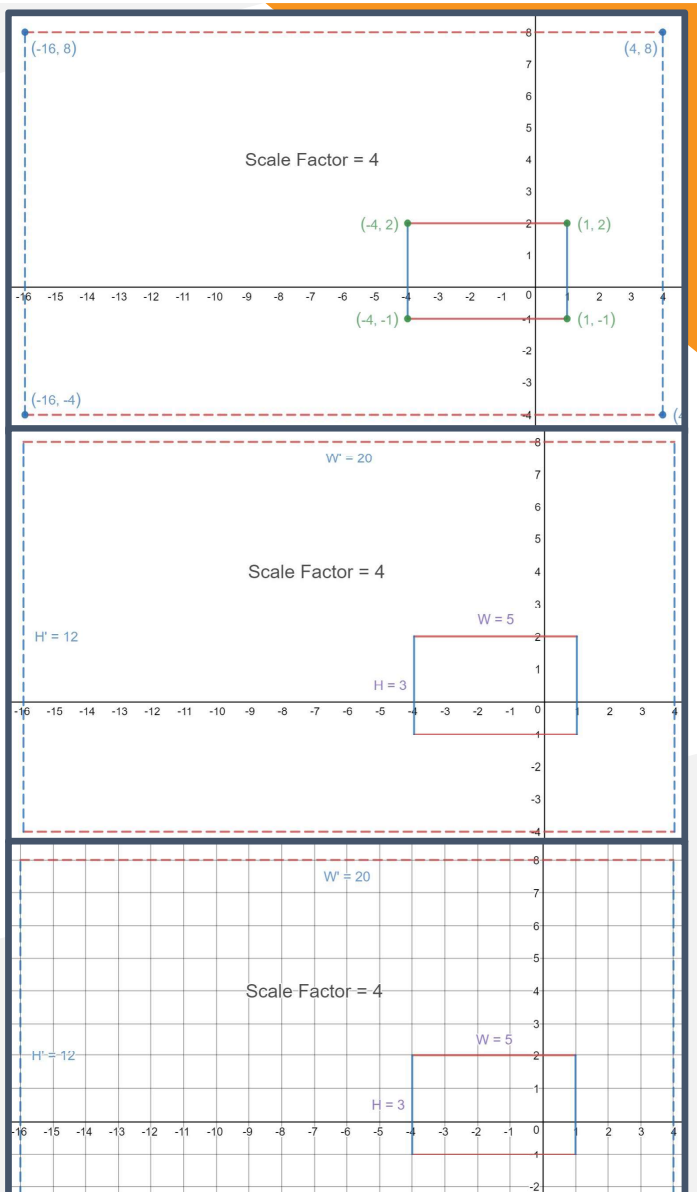
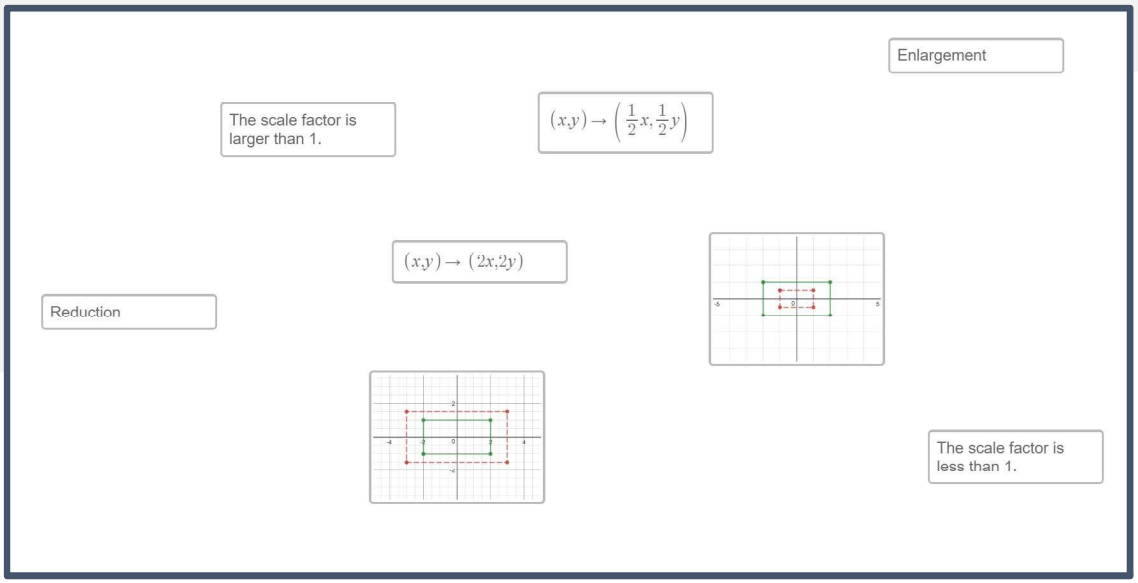
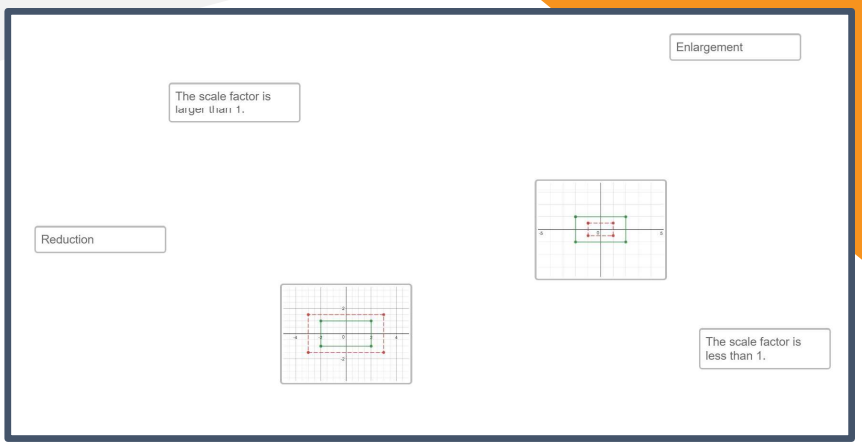
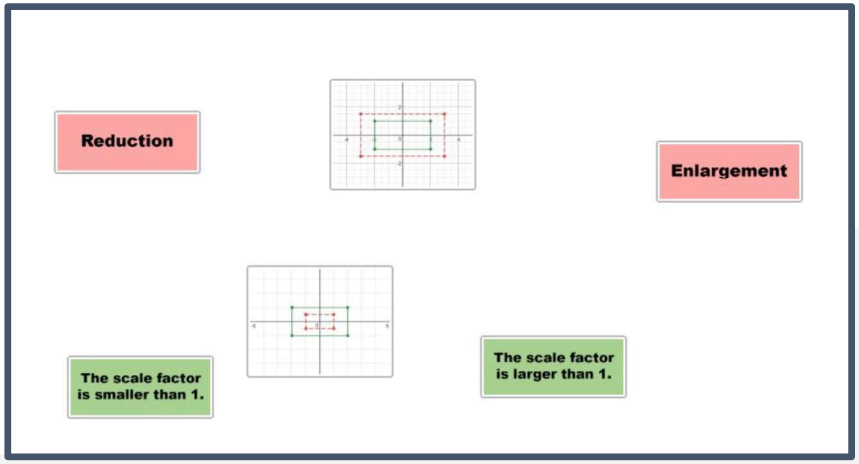




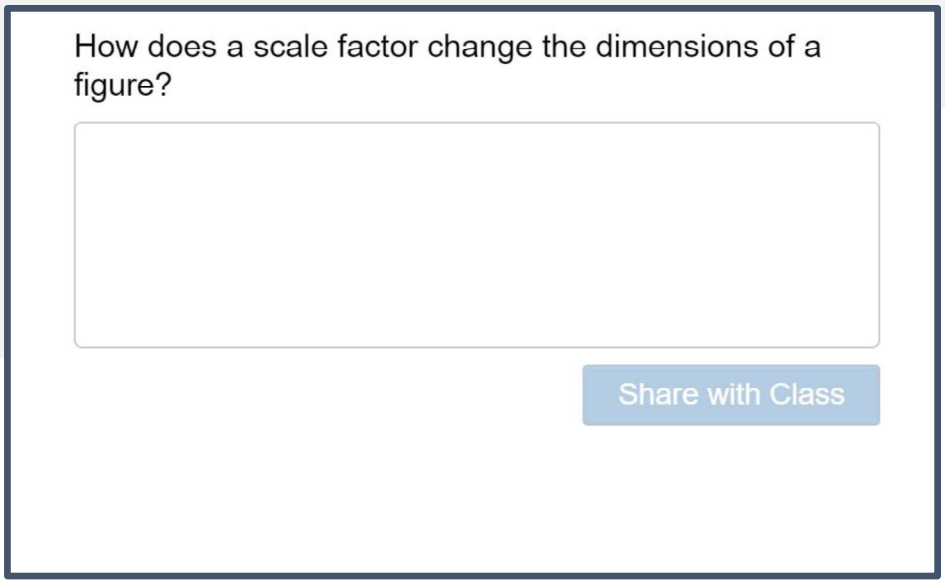
- Color coding
- Remove decimal values
- Label dimensions instead of vertices
- Insert grid

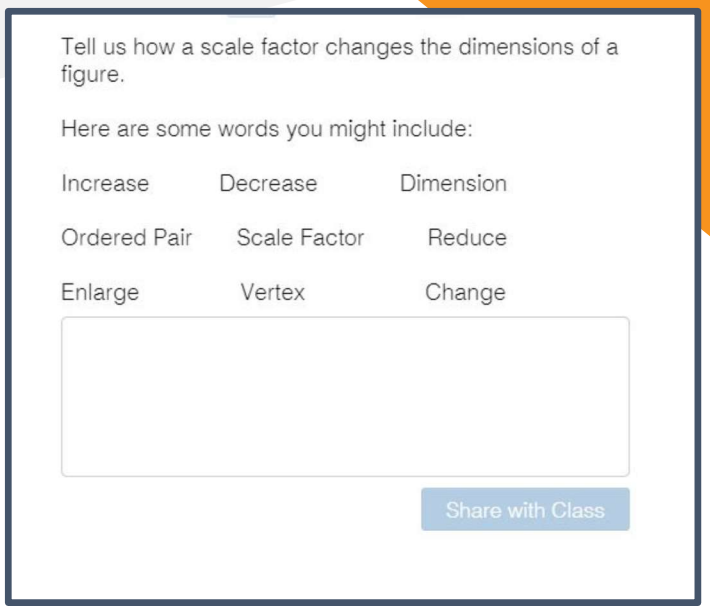




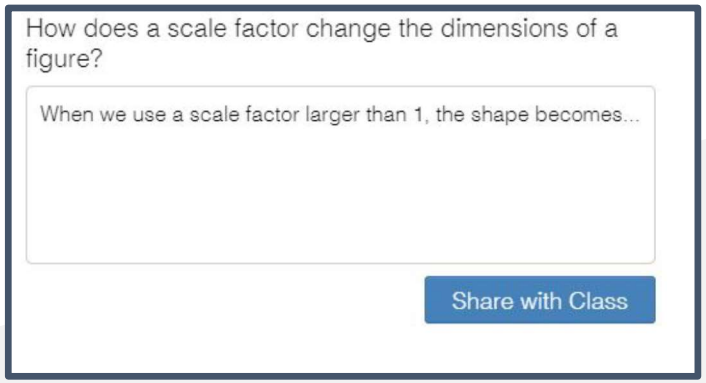


- Color coding
- Reduce number of cards



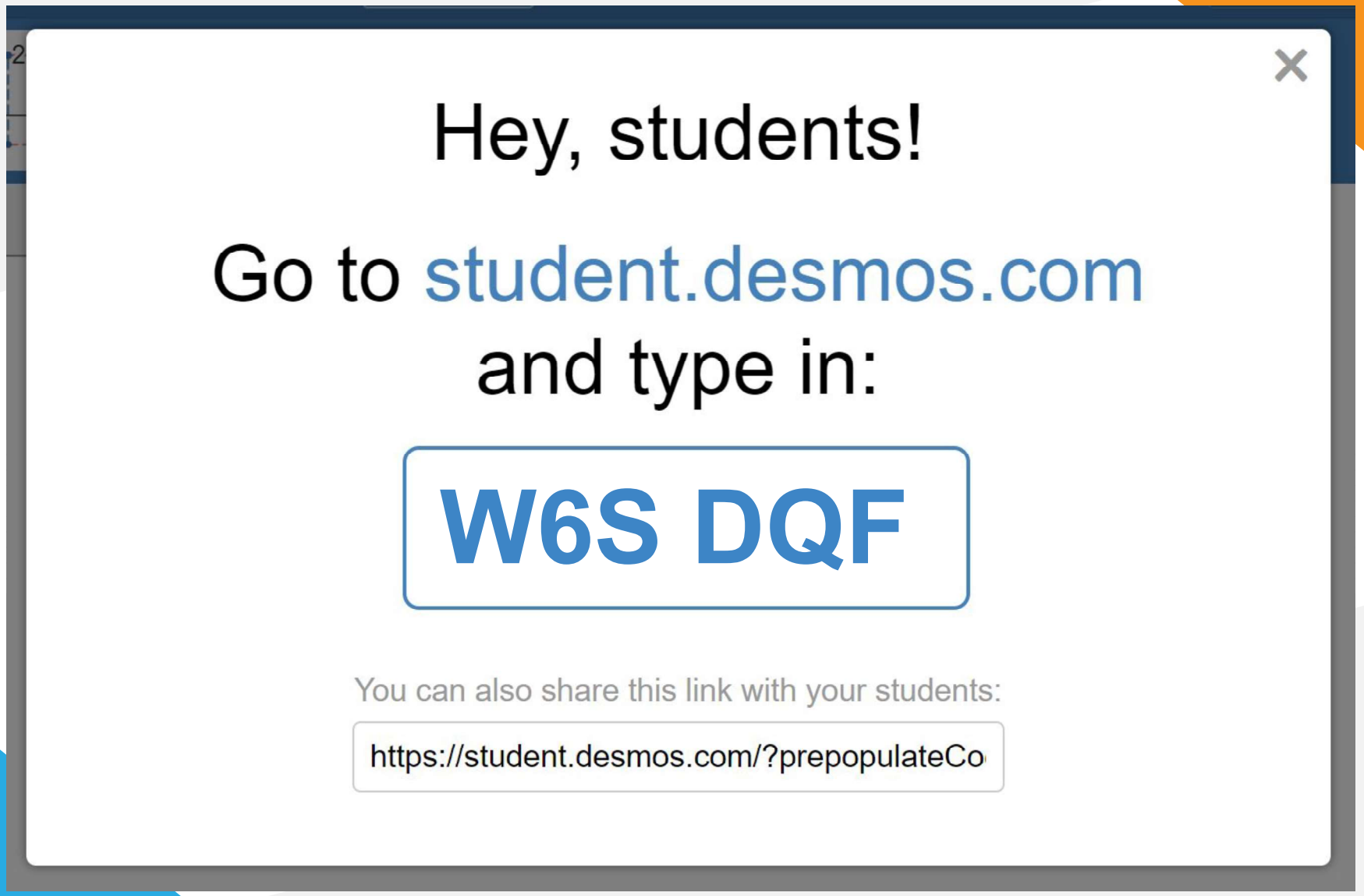


- Word bank
- Sentence stems



All learners require and deserve a robust curriculum filled with intrigue, challenge, support, and highly engaging activities.

-Cassandra Erkens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