

Algebraic Expressions

Step by Step Demonstrations

Activity

Students to create an animated step by step demonstration on algebraic expressions. The problems and challenges can be pre-share by the teachers. Students are individually solve the problem – if necessary add the voiceover to elaborate.

Objectives











- Students explore the concept of variable and evaluate algebraic expressions.
- Students can compare and examine the difference between pairs of expressions.
- Students can interoperate selected notations.
- Students can work in groups to select and justify pairs of equivalent expressions.
- Students can write algebraic expressions to express mathematical relationships.

Extensions

- Teacher can create extra support for extra scaffold for differentiation.
- Teacher can add audio instruction and feedback to support learning.
- Students can export the draft work and share it via SLS for peer feedback.
- Peers are able to provide feedback using markup (image) and audio (keynote) tools

Have a go



- 1 Tap , look for the template shared by your teacher.
- 2 Use your Apple Pencil to tap on the screen in Keynote to activate drawing mode or tap  on the top right hand corner, and under  and tap drawing to activate drawing. Press **Done** on the top right corner to leave drawing mode.
- 3 Tap to select your sketch, **Animate** it using the  and then choose . Adjust duration and order accordingly.
- 4 Tap  on the top right hand corner, and under  Record Audio to verbalise and record explanation.
- 5 Tap  export to movie. Tap  to save video. Close Keynote and tap  to open your video in Photos.

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