

3-Act Math: Teacher Notes

This 3-act math task orients students around making estimations based on what they notice. Students are working with concepts of time, space, numbers, leading problem solving, possibly based in multiplication and manipulation of time in minutes and seconds.

Act 1 - Arthur teaches Kelly to make dumplings!

[Video](#)

Note: The video is sped up twice!

Act 2 - What do you notice? What do you wonder?

Things to notice in the video:

- How long does it take to make a dumpling?
- Who is faster? By how much?
- How many dumplings will fit in one column?
- How many columns will fit on the tray?
- How consistent are the dumplings? Are they completely uniform?

Suggested questions:

- How many dumplings will they make in total - how many will fit on the tray?
- How long will it take to make all the dumplings?

Act 3 - The big reveal!

[Video](#)

Expected Answer in reveal: 58 dumplings in 40 minutes