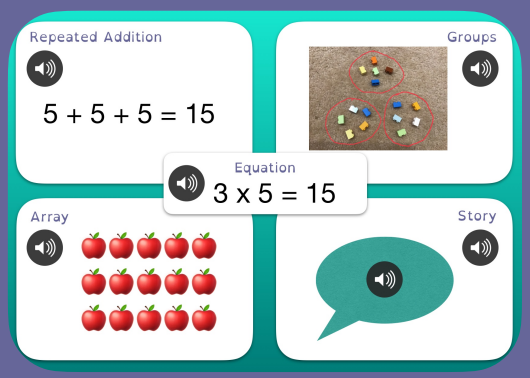
Multiplication Think Board

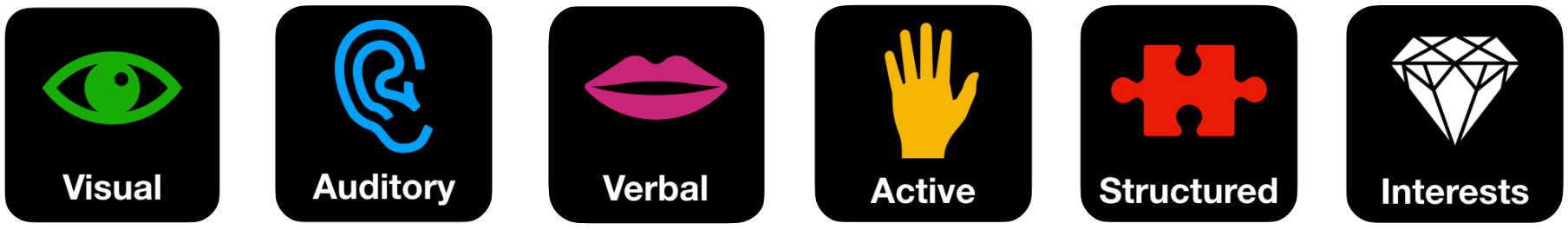


Activity

Learners use a range of different strategies to solve simple multiplication equations.

Learners demonstrate strategies using hands on materials, emoji arrays, repeated addition and verbal stories.

Learners present their understanding by adding content to a teacher created template in Pages.



Pages

Pages is a flexible tool for creating content, using a combination of text, images, video, audio and drawings. This content can be further enhanced and illustrated through the use of tables, graphs, charts, shapes and icons. Teachers can create and share Pages templates, which help to structure and support learning.

Preparation

Learners have a basic understanding of the operation of multiplication and ways in which multiplication problems can be represented, including multiplication equations, repeated addition, arrays, ‘groups of’ and through worded problems, or ‘stories’.

Curriculum Links

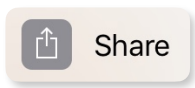
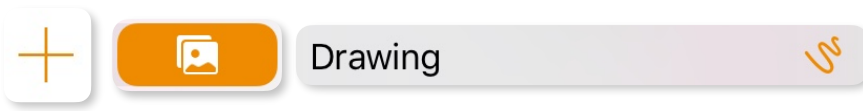
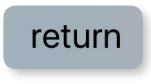
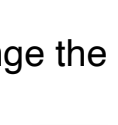
Mathematics - Number and Algebra - Number and Place Value

Levels 2-4

Related Ideas

- Mathematics - Number and Algebra - Number and Place Value, Levels 2-4: Learners create Think Boards for division problems.
- Mathematics - Number and Algebra - Fractions and Decimals, Levels 6 and 7: Learners use Think Boards to show relationships between fractions, decimals and percentages.
- For simplified functionality, teachers use Book Creator to create Think Board templates.

Have a go.

1.	Open  and tap on the Think Board template to open. Tap  then tap  to Airdrop the template to learners. Learners tap ‘Accept’, then 'Open with Pages’ on the pop up menus on their iPad. (Ensure learners have ‘Everyone’ selected in their Airdrop settings to enable receiving.)
2.	To add text for Equation and Repeated Addition, tap  then tap  . To change the text size/font/colour, tap on the text box (text will be framed by a blue rectangle), then tap  .
3.	To add Groups, arrange counters/cubes and take a photo by tapping  . To resize, place one finger on a blue circle at a corner of the photo and drag outwards or inwards. To annotate the photo, tap  then tap  and use Apple Pencil or finger to draw circles around the groups of objects.
4.	To add an Array, follow Step 2 to add text, then tap  at the bottom left of the keyboard to access emojis. Learners choose emojis that are of interest to them. Type one row of emojis, then tap  and  before adding the next row. To change the size of the emojis, tap on the text box (text will be framed by a blue rectangle), then tap  .
5.	To add a Story, tap  . Learners create a multiplication story that is of interest to them. Learners record their voice telling the story, then drag the audio button into speech bubble shape.
6.	Repeat Steps 2-5 on subsequent pages for further examples.