

Equivalent Fractions

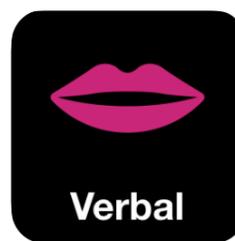


Activity

Learners use hands-on materials to investigate equivalent fractions.

Learners capture a series of short video recordings in Clips, showing and explaining their understanding of equivalent fractions.

Learners present their findings by adding posters and labels to their recordings in Clips.



Clips

Clips is a great place to film and organise multiple pieces of information. In Clips, learners can easily add images and video while providing a spoken narrative. The meaning of these recordings can be enhanced by the use of posters, labels and stickers.

Preparation

Learners have an understanding that an object or collection can be split or shared into equal smaller parts.

Learners are familiar with fractional notation and terms such as 'one half', 'one quarter' etc.

Curriculum Links

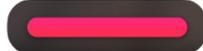
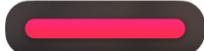
Mathematics - Number and Algebra - Fractions and Decimals

Levels 3 and 4

Related Ideas

- Fractions and Decimals, Levels 1 and 2: Learners use Clips and hands on materials to demonstrate how objects or collections can be split or shared into equal smaller parts (e.g. halves, quarters, eighths).
- Fractions and Decimals, Levels 5 - 7: Learners use Clips and hands on materials to demonstrate how to solve problems involving addition and subtraction of fractions with the same or related denominators. Learners use Clips and hands on materials to demonstrate connections between equivalent fractions, decimals and percentages.

Have a go.

1.	Open  and tap  to begin a new project.
2.	To add a poster, tap on  above the red record button. Select a poster style and tap on the text to change it (e.g. 'Equivalent Fractions'). Hold  to animate the poster and record voice reading the text (speak while holding red record button).
3.	Tap  to activate Live Titles and choose Live Title style. Tap  .
4.	Learners each have a paper plate or other object that can be cut into fractions (e.g. pizza, sandwich etc.). Tap  and hold  for 3 seconds to record an image of the object and record voice saying 'one whole' (speak while holding red record button).
5.	Tap on the thumbnail of the clip you have created at the bottom-left of the screen. Tap  . Tap on the text to edit. Tap and hold on the text to 'Speak Sentence'. If there are any errors in the text, delete and use dictation  to try again or start typing the word and use predictive text suggestions at the top of the keyboard to complete the word. Tap  .
6.	Tap  . Select a label style to add to the clip. Tap on the label to change the text to 'one whole'. Drag label text to position on the clip. Pinch label text to increase or decrease size. Tap  then  to finish editing the clip.
7.	Cut the object into two halves and repeat Step 4, saying 'two halves are equivalent/equal to one whole'. Repeat Step 5 to edit Live Titles and Step 6 to add a label ('1/2') to each half.
8.	Continue by cutting one of the halves into quarters and repeat Steps 4-6, adding the relevant labels to each fraction ('1/2', '1/4', '1/4') and Live Titles explaining that 'two quarters are equivalent/equal to one half'.
9.	Repeat for additional examples as appropriate. Tap  to add a soundtrack.