Activity type

Whole class

Learning objective

Counting and understanding number: find equivalent fractions

Equivalent fractions

What to do

- In the options menu, choose 'fraction' as the target and 'fraction' and 'shape' as the equivalents.
- Explain to the children how to make an equivalent fraction. (Multiply the numerator and denominator by the same number.)
- Ask: *What do you think the equivalent fraction might be for the fraction shown?* Invite them to write their responses on individual whiteboards or sheets of paper.
- Now click the 'up' or 'down' arrows on the second barrel until the correct equivalent fraction is reached (for example $^{1}/_{5} = {}^{2}/_{10}$). Finally, click the arrows on the third barrel until the equivalent shape is displayed. This visual aid will serve to reinforce the children's basic understanding of fractions.
- Repeat the activity by clicking 'Go' to generate a new target fraction.

Key questions

- *How can you make an equivalent fraction?*
- *What fraction with a denominator of 6 is equivalent to one half?*

Assessment for learning

Do the children understand and know how to make equivalent fractions?

Activity type

Group

Learning objective

Counting and understanding number: relate fractions to their decimal representations

Relating fractions to decimals

What to do

- Give each child a copy of a 100-square (available as a general resource sheet on the CD-ROM). Explain to them that each small square represents one hundredth or 0.01.
- Ask the children to explain how they would show $^{27}/_{100}$ or 0.27 on the 100-square.
- In the options menu, select 'fraction' as the target and 'decimal' as the equivalent.
- Click the 'up' or 'down' arrows on the right-hand barrel until the correct decimal equivalent is found to the fraction displayed in the left-hand barrel.
- Repeat the activity by clicking 'Go' to generate a new target fraction.

Key question

- *How would you express one quarter as a decimal number?*
- *How would you show 0.56 on your 100-square?*

Assessment for learning

Can the children relate common fractions to their decimal representations?