## Fractions: Multiplying Fractions

Aim:
Multiply simple pairs of proper fractions, writing the answer in its simplest form.

I can multiply proper fractions together, writing the answer in its simplest form.

## Success Criteria:

I can multiply numerators together first and multiply denominators together second.

I can reduce a fraction to its simplest form by dividing the numerator and denominator by the greatest common factor.

## Key/New Words:

Fraction, simplify, greatest common factor, numerator, denominator.

## Resources: <br> Lesson Pack

## Preparation:

Differentiated Multiplying Fractions Activity Sheets - one per child
Extra Challenge Activity Sheet - as required Multiplying Fractions Fortune Teller - one per class Multiplication Methods Display Poster - as required

Prior Learning: | It will be helpful if children have experience of multiplying proper fractions and mixed numbers by whole numbers, supported |
| :--- |
| by materials and diagrams. |

## Learning Sequence

Multiplying Proper Fraction: Use the text and images displayed on the Lesson Presentation to demonstrate three
common methods for multiplying proper fractions together. The first method visualises the calculation using a bar
model. The second method involves multiplying the numerators together and then multiplying the denominators
together to create a fraction which may need simplifying. The third method involves visualising the calculation as a
butterfly, looking at numbers diagonally opposite for a greatest common factor.

## Exploreit

Exploreit: Provide the children with construction bricks to visualise multiplying different fractions together. Photograph and display.
Correctit: The children write a multiplying fractions calculation with answer, but make one deliberate mistake. See if a friend can correct the mistake.

