














Fractions: Word Problems

Aim: Multiply simple pairs of proper fractions, writing the answer in its simplest form. I can answer word problems that involve multiplying proper fractions together.	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.	Resources: Lesson Pack
	Key/New Words: Fraction, simplify, greatest common factor, numerator, denominator.	Preparation: Differentiated Multiplying Fractions Word Problems Activity Sheets - 1 per child Extra Challenge Activity Sheet - as required 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

	Simplifying Fractions Spinner: Spin the wheel shown on the Lesson Presentation to select a fraction to simplify by dividing the numerator and denominator by the greatest common factor.	
	Multiplying Proper Fractions: Use the text and images displayed on the Lesson Presentation to demonstrate how to identify a word problem that involves multiplying fractions. Demonstrate the methods that can be used to complete the multiplication. Emphasise that in a multiplying fractions calculation, the multiplication symbol can be replaced with the word 'of', e.g. $\frac{2}{3} \times \frac{2}{5}$ becomes find $\frac{2}{3}$ of $\frac{2}{5}$.	
	Partner Problem: Working with a partner, the children apply the learning from the previous slides to find the answer to a word problem involving multiplying fractions which is displayed on the Lesson Presentation .	
 <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  <p>Solve word problems which involve multiplying pairs of simple fractions together, showing working out.</p> </div> <div style="text-align: center;">  <p>Solve word problems which involve multiplying pairs of fractions together, showing working out.</p> </div> <div style="text-align: center;">  <p>Solve word problems which involve multiplying pairs of more complex fractions together, showing working out. An Extra Challenge Activity Sheet is also included.</p> </div> </div>		
	Reveal the Picture: On the Lesson Presentation is a hidden picture, which is revealed square by square by correctly answering questions involving multiplying pairs of proper fractions.	

Masterit

Createit: Children create a poster to describe the method of multiplying pairs of proper fractions together.

Quizit: Children create their own word problem questions involving multiplying pairs of proper fractions together, which are then used in a whole-class quiz game.