
















# Fractions: Multiplying Fractions Reasoning

<b>Aim:</b> Multiply simple pairs of proper fractions, writing the answer in its simplest form.  I can solve reasoning questions involving multiplying proper fractions.	<b>Success Criteria:</b> I can break down complex problems into smaller steps.  I can use mathematical language to explain solutions to problems.	<b>Resources:</b> <a href="#">Lesson Pack</a>
	<b>Key/New Words:</b> Proper fraction, multiply, denominator, numerator.	<b>Preparation:</b> <a href="#">Multiplying Fractions Reasoning Activity Sheet</a> - 1 per child

**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

	<b>Guided Maths Question 1:</b> Use the step-by-step slides on the <a href="#">Lesson Presentation</a> to model how to answer a reasoning question based on <a href="#">shading a fraction diagram by calculating the answer to a fraction multiplication</a> .	
	<b>Partner Maths Question 1:</b> The children work in partners to apply the previous teacher modelling to a similar question displayed on the <a href="#">Lesson Presentation</a> , discussing their reasoning. Answer included.	
	<b>Guided Maths Question 2:</b> Use the step-by-step slides on the <a href="#">Lesson Presentation</a> to model how to answer a second reasoning question based on <a href="#">finding four pairs of proper fractions that multiply together to give the same answer</a> .	
	<b>Partner Maths Question 2:</b> The children work in partners to apply the previous teacher modelling to a similar question displayed on the <a href="#">Lesson Presentation</a> , discussing their reasoning. Answer included.	
	<b>Guided Maths Question 3:</b> Use the step-by-step slides on the <a href="#">Lesson Presentation</a> to model how to answer a third reasoning question <a href="#">involving multiplying fractions together in a calculation that uses brackets</a> .	
	<b>Partner Maths Question 3:</b> The children work in partners to apply the previous teacher modelling to a similar question displayed on the <a href="#">Lesson Presentation</a> , discussing their reasoning. Answer included.	
	<b>Reasoning Practice:</b> Children complete the <a href="#">Multiplying Fractions Reasoning Activity Sheet</a> to show that they can <a href="#">solve reasoning questions involving multiplying proper fractions</a> .	
	<b>Reasoning Practice Answers:</b> Use the slides on the <a href="#">Lesson Presentation</a> to discuss the answers to the independent activity questions and self-assess.	