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<p>Aim: Compare and order fractions, including fractions > 1.</p> <p>I can compare and order fractions using common denominators or common numerators.</p>	<p>Success Criteria:</p> <p>I can use bar models to compare and order fractions.</p> <p>I can use the $<$ and $>$ symbols to compare fractions.</p> <p>I can use a common numerator to compare and order fractions.</p> <p>I can use a common denominator to compare and order fractions.</p> <p>I can choose the best method to use to compare and order fractions.</p>	<p>Resources: Lesson Pack</p> <p>Whiteboards and pens – class set</p>
	<p>Key/New Words:</p> <p>Fraction, numerator, denominator, lowest common multiple, greater than ($>$), less than ($<$).</p>	<p>Preparation:</p> <p>Unlock the Pirate Treasure Chest Clue Cards – one set per group</p> <p>Unlock the Pirate Treasure Chest Recording Sheet – one per group</p> <p>Extra Challenge Activity Sheet – as required</p> <p>Diving into Mastery Activity Sheets – as required</p> <p>Fraction Wall – as required</p>

Prior Learning: It will be helpful if children have previous experience of comparing fractions using the method of finding a common denominator.

Learning Sequence

	Bar Model Fractions: Using the unit fraction bar model images shown on the Lesson Presentation , the children complete the sentence stems using the vocabulary of comparing, focusing on verbalising a rule to explain that when fractions have the same numerator, the larger the denominator the smaller the fraction.	
	Comparing Using the Numerator: The images on the Lesson Presentation show the method of comparing fractions by changing them into equivalents with a common numerator. Ask the children to discuss what is happening using the questions provided.	
	Pirate-Ship Battle: The children sort the fraction cannon balls shown on the Lesson Presentation into those that can be compared by using a common numerator and those that can be compared using a common denominator. They then use these methods to convert them to equivalents and identify the correct symbol to use to compare them.	
	Ordering Using the Numerator: Use the images on the Lesson Presentation to demonstrate how to use the method of changing fractions to equivalents using a common numerator to order a set of fractions presented in a pirate-themed word problem.	
	Unlock the Pirate Treasure Chest: Children collaboratively use the Unlock the Pirate Treasure Chest Clue Cards to show that they can compare and order fractions using common denominators or common numerators, recording their answers on the Unlock the Pirate Treasure Chest Recording Sheet .	
	Children play the game using fraction walls and adult support as required.	
	Children play the game in mixed-ability groups, supporting each other through discussion.	
	Children play the game in mixed-ability groups. For an additional challenge, they create a new clue for the final digit. An Extra Challenge Sheet is provided as necessary.	

	<p>Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity. These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.</p> <p> Children complete fluency questions involving comparing and ordering fractions using common numerators.</p> <p> Children answer reasoning questions involving comparing and ordering fractions using common denominators or common numerators, explaining their reasoning.</p> <p> Children work individually or collaboratively on a problem-solving investigation involving comparing and ordering fractions using common denominators or common numerators.</p>	
	<p>Pirate Action Game: Use the instructions shown on the Lesson Presentation to explain how to play the game. A pirate-themed action is assigned to a fraction statement such as 'greater than $\frac{1}{2}$'. Given a fraction, the children must then identify which action statement the fraction matches and perform them.</p>	

<p>Exploreit</p> <p>Rollit: Children roll a dice four times and use the numbers to create two proper fractions. They then see if they can compare the fractions using both methods - common numerator and common denominator - explaining which method is best for that problem.</p> <p>Raceit: In pairs, each child writes a fraction on a whiteboard. They show each other their fractions and race to complete a comparison statement using both fractions using both methods - common numerator and common denominator.</p>	
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