

Multiplication and Division: The Elevens

Aim: Recall multiplication and division facts for multiplication tables up to 12×12 I can multiply and divide by 11.	Success Criteria: I can count in 11s. I can recognise multiples of 11 up to 12×11 . I can use my knowledge of the 11 times table to find the related division facts. I can predict and explain patterns.	Resources: Lesson Pack
	Key/New Words: Multiplication, multiple, division, pattern.	Preparation: Beat the Clock Grid - 1 per child Differentiated The Elevens Activity Sheet - as required 100 Square - as required

Prior Learning: It will be helpful if children have previous experience of counting in elevens and can recall multiplication and division facts from the $2 \times$, $3 \times$, $4 \times$, $5 \times$, $8 \times$ and $10 \times$ multiplication tables.

Learning Sequence

	Beat the Clock: Choose appropriate columns for each child to complete on Beat the Clock Grid . Set the timer for five minutes. If the children finish before the five minutes is up, then they should shout 'finished' and write their finishing time on the top of the sheet. When their work is marked, they will have a score to write at the top too. If they didn't get them all correct, then they should focus on that next time, even if it takes them the full five minutes. If they got them all correct, next time they should try to improve their time or choose a different multiplication table.	
	Let's Count in Elevens: Children count in 11s together, describing and explaining the pattern .	
	Predicting Multiples of Elevens: The children write out the $11 \times$ table from 10×11 to 20×11 . What patterns can they see now? Does this pattern remind them of any other tables they have looked at?	
	How Many Footballers? Solve word problems in pairs, using multiplication and division facts from the 11 times table. Some questions go beyond 12×11 .	
	The Elevens Activity: Children complete differentiated activities, identifying and solving problems with multiplication and division facts from the 11 times table . <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Children work in pairs to complete the 11 times table test on the Lesson Presentation. Then they use a blank 100 Square to colour the multiples of 11 and describe the pattern that they make.</p> </div> <div style="width: 30%;"> <p>Children answer multiplication questions to practise their recall of 11 times table facts up to 12×11 (multiplication and division). These include missing number questions, sequences to complete and are in both words and figures. They are then challenged to write their own word problems based on the 11 times table.</p> </div> <div style="width: 30%;"> <p>Children answer multiplication questions to practise their recall of 11 times table facts beyond 12×11 (multiplication and division). These include missing number questions, sequences to complete and are in both words and figures. They are then challenged to write their own word problems based on the 11 times table.</p> </div> </div>	
	Five to Five: In pairs or small groups, the children write five sentences to summarise the lesson. They could think about what they learnt, the patterns they spotted and how they worked out their answers. Can they break this down and summarise the lesson in just five words?	

Masterit

Playit: Practise recalling multiplication and division facts for the 11 times table by playing the _____

Presentit: Make a presentation on the computer, or a leaflet on paper, to explain the patterns found in the 11 times table.

Beatit: Play **Beat the Clock** every day for a week; try to improve both the time and the score.