

Y4 - Overview

	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2	
Unit	1	2	3	4	5	6	7	8	9	10	11	12

	Division with remainders (2 weeks)
Ready to progress	4NF-2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders.
NCETM documents	https://www.ncetm.org.uk/media/lhnbhblw/ncetm_spine2_segment12_y4.pdf#page=4
Small steps	1.To represent division with grouping using multiplication and addition equations, including with remainders. 2.To solve grouping division problems that may include remainders. 3.To represent division with sharing using equations, including with remainders. 4.To solve sharing division problems that may include remainders. 5.To use multiplication facts to solve division problems with and without remainders. 6.To explain how the remainder relates to the divisor in a division equation. 7.To identify when a division will have a remainder using times tables and divisibility rules. 8.To solve problems using knowledge of division equations and remainders. 9.To interpret division answers appropriately to match the context of a problem. 10.To apply knowledge of division to a range of problem-solving contexts
Links	<u>Classroom Slides</u> https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.ncetm.org.uk%2Fmedia%2Fflvfpkq%2Fcp-year-4-unit-12-division-with-remainders.pptx&wdOrigin=BROWSELINK <u>Oak</u> - https://www.thenationalacademy/teachers/programmes/maths-primary-ks2/units/division-with-remainders/lessons?sid-661b28-os7MP7shPo&sm=0&src=3 <u>Whiterose</u> - https://assets.whiteroseeducation.com/new-schemes/Y4%20Spring%20Block%201%20SOL%20Multiplication%20and%20division%20B.pdf
Reasoning	What's the Same, What's Different? What's the same and what's different about $18 \div 3$ and $19 \div 3$? Convince Me Convince me that $26 \div 4$ leaves a remainder of 2. How can you show this with multiplication? Always, Sometimes, Never Is it always, sometimes, or never true that when you divide by 5, the remainder is less than 5? How Close Can You Get? Can you find a number between 30 and 40 that, when divided by 6, has the smallest possible remainder? Other Possibilities Can you write a word problem that matches the equation $22 \div 5 = 4 \text{ r}2$, where the remainder changes the final answer?

