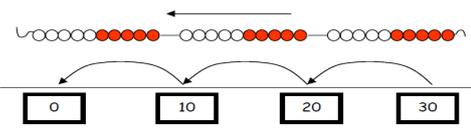
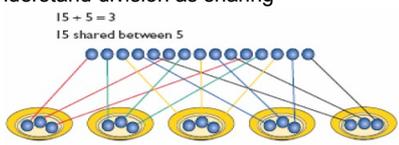
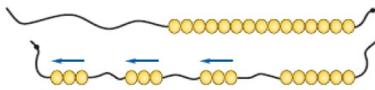
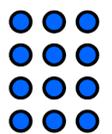
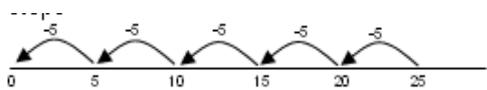
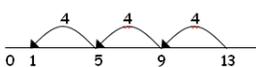
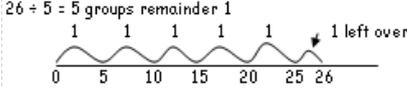


Resources	<p>R Read and understand</p> <p>I Important words and numbers</p> <p>C Choose a method</p> <p>H Have you checked your answer?</p> <p>Make regular links to Fractions.</p>	Progression
<p>Counters</p> <p>Multilink</p> <p>Number lines</p> <p>Bead strings</p> <p>Dienes</p> <p>Arrays</p> <p>Bar model</p> <p>Arrow cards</p>	<p>1. Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately</p> <p>2. Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language</p> <p>3. Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions</p>	<p>2, 5 & 10 tables</p> <p>3, 4 & 8 tables</p> <p>2 digit ÷ 1 digit</p> <p>Tables up to 12 x 12</p> <p>÷ 10 & 100</p> <p>Multiples, factors, prime</p> <p>Up to 4 digit ÷ 1 digit</p> <p>Up to 4 digit ÷ 1 digit</p>
<p>Stage 1</p> <p>Counters</p> <p>Multilink</p> <p>Number lines</p> <p>Bead strings</p>	<ul style="list-style-type: none"> Count back in twos from 20, and tens and fives from 100. Share out concrete objects in twos, fives and tens. Share out items in play and problem solving. Know doubles and halves to 20. <p>Counting back in steps on a number line or bead string.</p>  <ul style="list-style-type: none"> Start to understand the terms 'grouping' and 'sharing'. 	<p>I've got 12 shells. How could I share them between 2 children?</p> <p>Copy and continue this pattern: 20, 18, 16.....</p>
<p>Stage 2</p> <p>Counters</p> <p>Multilink</p> <p>Number lines</p> <p>Bead strings</p> <p>Arrays</p>	<ul style="list-style-type: none"> Use multiplication facts to work out corresponding division facts for 2, 5, and 10s. Understand division as sharing  <p>AND</p> <ul style="list-style-type: none"> Understand division as grouping <p>$15 \div 3 = 5$</p>  <ul style="list-style-type: none"> Reinforce division as group using arrays. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>12 divided into groups of 3 gives 4 groups</p> <p>$12 \div 3 = 4$</p> </div>  <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>12 divided into groups of 4 gives 3 groups</p> <p>$12 \div 4 = 3$</p> </div> </div>	<p>Sophie has 10 apples, Sophie wants to share half of the apples with her brother. How many do they each get?</p> <p>I have 15p. How many 5p sweets can I buy?</p> <p>Chocolate eggs are put in boxes of 2. How many boxes would I need for 6 eggs? How many boxes would I need for 9 eggs?</p> <p>How many 5cm pieces of string can I cut out of a piece of string 27cm long?</p> <p>I find a pile of 17 wheels. How many bikes can I make?</p>
<p>Stage 3</p> <p>Number lines</p> <p>Bead strings</p>	<ul style="list-style-type: none"> Use a numberline for repeated subtraction. <p>$25 \div 5 = 5$</p>  <ul style="list-style-type: none"> Children need to learn that you can solve division by counting up or counting down. 	<p>How many 3p lollies can you buy with 45p? Show me how you worked this out.</p> <p>What multiplication fact can you use to find the answer to $28 \div 4$?</p> <p>Find some division calculations that have the answer 6. How did you do this?</p>
<p>Stage 4</p> <p>Number lines</p> <p>Bead strings</p>	<ul style="list-style-type: none"> Include remainders <p>$13 \div 4 = 3 \text{ r } 1$</p> <p>Count back</p>  <p>OR</p> <p>Count on</p> 	<p>36 children need to sit on benches. 5 children can sit on a bench. How many benches are needed?</p> <p>Harry saves 20p coins. He has saved £3.20. How many coins has he saved?</p> <p>What is the biggest remainder you can have when you divide a number by 3? How did you collect information to answer this question?</p>

