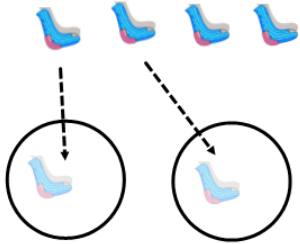
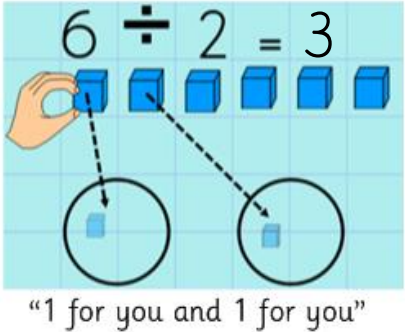
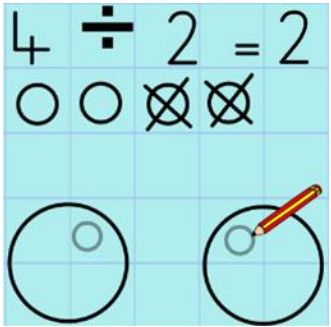
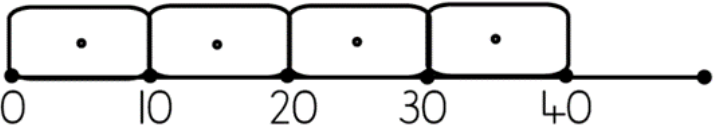
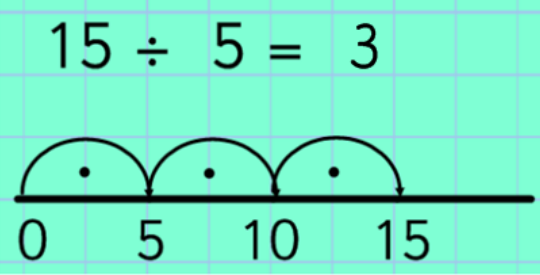


Division



Year Group	Recording	Rapid Recall	Mental Calculation
Nursery Reception	<p>Practically Without number sentence</p>   <p>"1 for you and 1 for you"</p>	Count in groups of 2's, 10's and 5's	
Year 1	<p>Solve one-step problems using concrete objects, pictorial representations and arrays.</p> <p>Drawing using symbols</p>  <p>Guided number line</p> $40 \div 10 = 4$  <p>Draw own number line</p>  $15 \div 5 = 3$	Recall halves of numbers to 20	

Division



<p>Year 2</p>	<p>Solve problems in context. Use the inverse operation to check calculations and solve missing number problems.</p> <p>Draw own number line</p> <div style="background-color: #e0ffe0; padding: 5px; border: 1px solid #ccc;"> $15 \div 3 = 5$ </div>	<p>Count in groups of 2's, 10's and 5's</p>	<p>Division within the multiplication e.g. $3 \times 10 = 10+10+10$ so $30 \div 10 = 3$</p>
	<p>Number line with remainders</p> <div style="border: 1px solid #ccc; padding: 5px;"> $7 \div 2 = 3 \text{ r}1$ </div>		
<p>Year 3</p>	<p>Estimate the answer to a calculation and use inverse operations to check calculations Solve problems including missing number problems.</p> <p>Learn times table facts and related division facts</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> $3 \times 4 = 12$ $12 \div 4 = 3$ $4 \times 3 = 12$ $12 \div 3 = 4$ </div> <p>Number line with remainders</p> <div style="border: 1px solid #ccc; padding: 5px;"> $37 \div 5 = 7 \text{ r}2$ </div>	<p>Count from 0 in multiples of 4, 8, 50 and 100</p> <p>Recall division facts for the 3, 4 and 8 multiplication tables</p>	<p>Calculate $10 \div 0$</p>

Division



<p>Year 4</p>	<p>Use chunking for $HTO \div O$ Solve addition two-step problems in contexts, deciding which operations and methods to use</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 87 \div 5 \\ 5 \overline{) 87} \\ - 50 \\ \hline 37 \\ - 35 \\ \hline 2 \end{array}$ <p style="text-align: right;">(10 x 5) (7 x 5)</p> <p style="text-align: right;">17 r2</p> </div> <div style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 267 \div 5 \\ 5 \overline{) 267} \\ - 100 \quad (20 \times 5) \\ \hline 167 \\ - 100 \quad (20 \times 5) \\ \hline 67 \\ - 50 \quad (10 \times 5) \\ \hline 17 \\ - 15 \quad (3 \times 5) \\ \hline 2 \end{array}$ <p style="text-align: right;">53 r2</p> </div> </div>	<p>Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Recall up to 12 x 12</p>	<p>Derive facts e.g. $600 \div 3 = 200$ using $2 \times 3 = 6$</p>
<p>Year 5</p>	<p>Divide numbers up to 4 digits by a one digit number using short written method, interpret remainders depending upon the context (rounding, fractions or decimals) Solve problems involving division using knowledge of factors, squares and cubes Solve problems involving all 4 operations, including understanding the meaning of the equals sign including missing number problems</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 267 \div 5 \\ 5 \overline{) 267} \\ - 053 \quad r2 \\ \hline 267 \end{array}$ </div> <div style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 267 \div 5 \\ 5 \overline{) 267} \\ - 053 \quad \frac{2}{5} \\ \hline 267 \end{array}$ </div> <div style="border: 1px solid black; padding: 5px;"> $\begin{array}{r} 267 \div 5 \\ 5 \overline{) 267.0} \\ - 053.4 \\ \hline 267.0 \end{array}$ </div> </div>	<p>Identify multiples and factors</p> <p>Divide whole numbers and decimals by 10, 100 and 1000</p> <p>Recall up to 12 x 12 and division facts</p>	<p>Divide using known facts</p>

Division

Year 6

Divide numbers by a one-digit number using short written method, interpret remainders depending upon the context (rounding, fractions or decimals)

Divide numbers by a two-digit number using chunking, interpret remainders depending upon the context (rounding, fractions or decimals up to 2d.p.)

Divide decimal numbers by one digit in practical contexts such as money or measures

Use estimation to check answers to calculations

$$\begin{array}{r}
 267 \div 5 \\
 \hline
 053.4 \\
 5 \overline{) 267.0}
 \end{array}$$

$$\begin{array}{r}
 267 \div 5 \\
 \hline
 15 \overline{) 267} \\
 \underline{- 150} \quad (10 \times 15) \\
 117 \\
 \underline{\quad 60} \quad (4 \times 15) \\
 57 \\
 \underline{\quad 45} \quad (3 \times 15) \\
 12 \\
 \hline
 17 \frac{12}{15} \text{ or } \frac{4}{5} \text{ or } .8
 \end{array}$$

Recall up to 12 x 12 and division facts fluently

Common factors, common multiples and prime numbers

Perform mental calculations with mixed operations and large numbers

