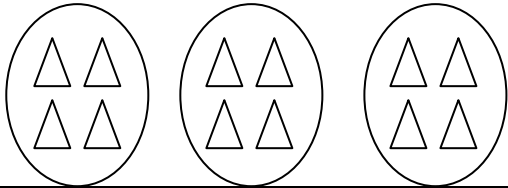
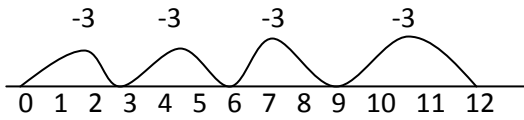
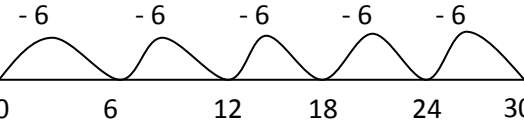
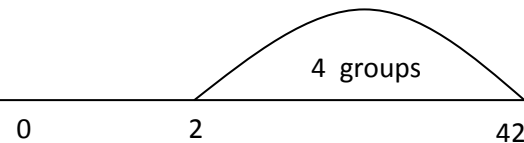
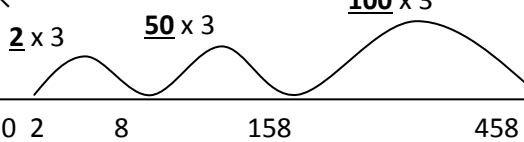


Calculation Policy – Division

Stage Name	Examples	Recording Method								
Practical Examples	How can we halve these sweets?									
Pictorial representations, sharing	If I share my 12 sweets between 3 people, how many do they get each?	Pictorial representation, extending to digits underneath. 								
Sharing as repeated subtraction	12 sweets are shared equally between 3 people. How many sweets does each one get?	$12 \div 3 = 4$ 								
Grouping as repeated subtraction, including remainders	How many lots of 6 in 30? A baker bakes 24 buns. She puts 6 in every box. How many boxes can she fill?	How many lots of 6 in 30? 								
Division as grouping and sharing on a number line, including remainders.	What is 42 divided by 10? How many lengths of 10cm can you cut from 183cm?	$42 \div 10 =$  4 groups of ten and 2 remainders.								
Sharing and Grouping Continue to understand division as both sharing and grouping. (repeated subtraction)	458 stickers are shared equally between three children. How many does each get?	$458 \div 3 =$  $\leftarrow 100 + 50 + 2 = 152 \text{ remainder } 2$								
Chunking repeated subtraction	There are seven chairs in a row, how many rows can be made from 256 chairs?	$256 \div 7 =$ <table style="margin-left: 20px;"> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">256</td> <td>(10 groups) or (10 x 7)</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">186</td> <td>(20 groups) or (20 x 7)</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">46</td> <td>(6 groups) or (6 x 7)</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 10px;">4</td> <td>(36 groups) or (36)</td> </tr> </table> Answer: 36 remainder 4	256	(10 groups) or (10 x 7)	186	(20 groups) or (20 x 7)	46	(6 groups) or (6 x 7)	4	(36 groups) or (36)
256	(10 groups) or (10 x 7)									
186	(20 groups) or (20 x 7)									
46	(6 groups) or (6 x 7)									
4	(36 groups) or (36)									

Short division	Bus stop method: $432 \div 5 =$	$432 \div 5$ becomes $\begin{array}{r} 86 \text{ r}2 \\ 5 \overline{) 432} \\ \underline{40} \\ 32 \\ \underline{30} \\ 2 \end{array}$ Answer: 86 remainder 2 = $86 \frac{2}{5}$
Long division	Divide 1230 by 15. In a class there are 15 children, the teacher brings in 1230 sweets for the children. How many will each child receive?	$\begin{array}{r} 0082 \\ 15 \overline{) 1230} \\ \underline{-0} \\ 12 \\ \underline{-0} \\ 123 \\ \underline{-120} \\ 30 \\ \underline{-30} \\ 0 \end{array}$
Dividing fractions by a whole number	$\frac{3}{4} \div 3 =$	$\frac{3 \times 1}{4 \times 3} = \frac{3 \times 1}{12} = \frac{3}{12} = \frac{1}{4}$
Dividing a fraction by a fraction	$\frac{1}{2} \div \frac{1}{6} =$	$\frac{1 \times 6}{2 \times 1} = \frac{1 \times 6}{2} = \frac{6}{2} = 3$