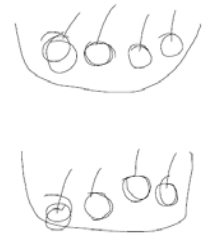


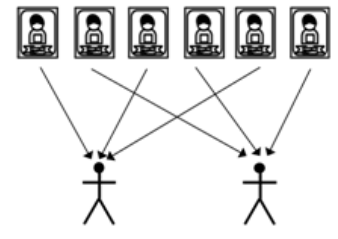
### Reception:

Children will look at sharing and may draw a picture or jotting to show this.



### Year 1:

Children will look at sharing and may draw a picture or jotting to show this.



### Year 2:

Children will use grouping to divide.

$$12 \div 3 =$$



They will then be able to find answers with remainders.

$$13 \div 4 =$$



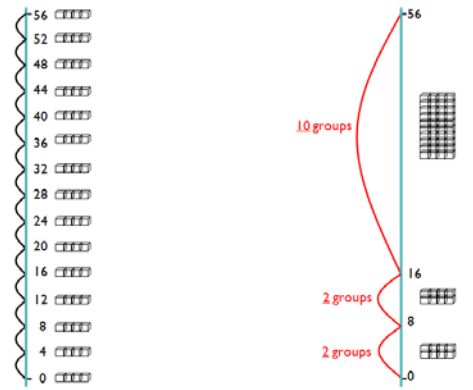
$$13 \div 4 = 3 \text{ remainder } 1$$

### Year 3:

Children use repeated subtraction or 'chunking' to divide.

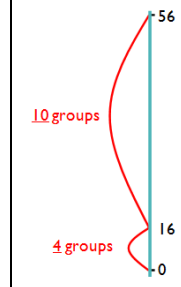
Stage 1  
 $56 \div 4 = 14$  (groups of 4)

Stage 2  
 $56 \div 4 = 10$  (groups of 4) + 2 (groups of 4) + 2 (groups of 4)  
 $= 14$  (groups of 4)



### Year 4:

Children will continue to use the 'chunking' (repeated subtraction) method on a number line and through the 'bus stop' method.



$$\begin{array}{r} 14 \\ 4 \overline{) 56} \\ - 40 \\ \hline 16 \\ - 16 \\ \hline 0 \end{array}$$

Children should write their answer above the calculation to make it easy for them and the teacher to distinguish.

Answer: 14

The number line method used in year 3 can be linked to the chunking method to enable children to make links in their understanding.

### Year 5:

Children continue to use the 'chunking' method as part of the 'bus stop' method.

$$523 \div 8$$

$$\begin{array}{r} 65r3 \\ 8 \overline{) 523} \\ - 320 \\ \hline 203 \\ - 160 \\ \hline 43 \\ - 40 \\ \hline 3 \end{array}$$

### Year 6:

Children continue to use the 'chunking' method as part of the 'bus stop' method.

$$362 \div 17$$

$$\begin{array}{r} 21.29 \\ 17 \overline{) 362} \\ - 340 \\ \hline 22 \\ - 17 \\ \hline 5.0 \\ - 3.4 \\ \hline 1.60 \\ - 1.53 \\ \hline 0.07 \end{array}$$

To enable children to continue the calculation, they need to understand that 5 is the same as 5.0

20x  
1x  
0.2x  
0.09x

When recalling and deriving multiplication and division facts, children should also identify decimal equivalents of times tables, e.g. if  $2 \times 17 = 34$ , I know that  $0.2 \times 17 = 3.4$  if  $9 \times 17 = 153$ ,  $0.9 \times 17 = 15.3$  so  $0.09 \times 17 = 1.53$