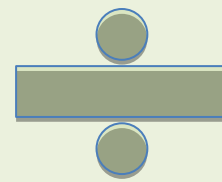


Division Written Calculation Progression

St Paul's CE VC Junior School



Language to be used:

All

share, dividing, groups
halve, quarter, equal groups, sharing, remainders, divide.

Lower Key Stage Two

fraction, how many.

Upper Key Stage Two

quotient.

Year Three

- Use a number line to carry out division.
- Look at remainders.

$87 \div 6 =$

10 lots of 6 4 lots of 6 3

0 60 84 87

14 r 3

$\begin{array}{r} 10 \times 6 \\ 60 \\ 120 \end{array}$	$\begin{array}{r} 1 \times 6 \\ 6 \\ 12 \\ 18 \\ 24 \end{array}$
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Year Four

- Chunking Method - Two-digit by one digit numbers.

Chunking Method

$87 \div 6 =$

$\square \times 6 = 87$	$\begin{array}{r} 10 \times 6 \\ 60 \\ 120 \end{array}$	$\begin{array}{r} 1 \times 6 \\ 6 \\ 12 \\ 18 \\ 24 \end{array}$
$10 \times 6 = 60$		
$4 \times 6 = 24$		

27

3

= 14 r 3

Year Five

- Continue chunking - two-digit by one-digit
- Short division using 'bus stop' for numbers up to 4-digits divided by 1-digit.

Bus Shelter

0 8 6 r 2

4 3

5 | 4 3 2

- Introduce chunking for dividing a 3-digit number by 2-digit number.

Chunking $376 \div 15 =$

$\square \times 15 = 376$	$\begin{array}{r} 10 \times 15 \\ 150 \\ 300 \\ 450 \end{array}$	$\begin{array}{r} 1 \times 15 \\ 15 \\ 30 \\ 45 \\ 60 \\ 75 \end{array}$
$20 \times 15 = 300$		
$5 \times 15 = 75$		

76

1

= 25 r 1

Year Six

- Continue chunking for dividing a three-digit number by a two-digit number.

Chunking $376 \div 15 =$

$\square \times 15 = 376$	$\begin{array}{r} 10 \times 15 \\ 150 \\ 300 \\ 450 \end{array}$	$\begin{array}{r} 1 \times 15 \\ 15 \\ 30 \\ 45 \\ 60 \\ 75 \end{array}$
$20 \times 15 = 300$		
$5 \times 15 = 75$		

76

1

= 25 r 1

- Write remainders as decimals and fractions.