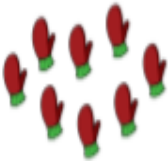


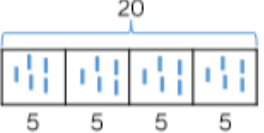




Progression In Written Division Methods

Year 1	Methods and Examples
<p><b>Make Equal Groups - Grouping</b></p> <p>Children start with a given total and make groups of an equal amount. They record their understanding in sentences, not through formal division at this stage.</p>	<p>How many equal groups of 2 can you make with the mittens?</p>  <p>There are ___ groups of 2 mittens. If you had 10 mittens, how many equal groups of 2 mittens could you make?</p>
<p><b>Sharing Equally</b></p> <p>Children explore sharing as a model of division. They use 1:1 correspondence to share concrete objects into equal groups.</p> <p>Children also need to be given the opportunity to see when a number of objects cannot be shared equally into equal groups.</p>	<p>Share the muffins equally between the two plates. Complete the sentence. ___ cakes shared equally between 2 is ___</p> 
Year 2	Methods and Examples
<p><b>Make Equal Groups – Sharing</b></p> <p>Children divide by sharing objects into equal groups using one-to-one correspondence. They need to do this using one-to-one correspondence. They need to do this using concrete manipulatives in different contexts, then move on to pictorial representations.</p> <p>Children will be introduced to the divide symbol. They will begin to see the link between division and multiplication.</p>	<p>Share the 12 cubes equally into the two boxes.</p> <p>There are ___ cubes altogether. There are ___ boxes. There are ___ cubes in each box.</p>  <p>Can you share the 12 cubes equally into 3 boxes?</p> <p>Ron draws this bar model to divide 20 into 4 equal groups. How does his model represent this? He writes <math>20 \div 4 = 5</math></p>  <p>What other number sentences could Ron create using his model?</p>

### Make Equal Groups – Grouping

Children divide by making equal groups. They then count on to find the total number of groups.

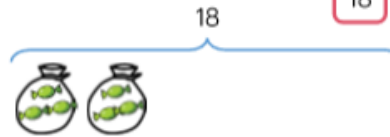
Pencils come in packs of 20  
We need to put 5 in each pot.  
How many pots will we need?

There are \_\_\_ pencils altogether.  
There are \_\_\_ pencils in each pot.  
There are \_\_\_ pots.

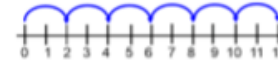


Mrs Green has 18 sweets.  
She puts 3 sweets in each bag.  
How many bags can she fill?

$$\boxed{18} \div \boxed{\phantom{00}} = \boxed{3}$$
$$\boxed{18} \div \boxed{3} = \boxed{\phantom{00}}$$



Mo uses a number line to work out how many equal groups of 2 he can make from 12



Use a number line to work out how many equal groups of 5 you can make from 30

### Divide by 2

Children should be secure with grouping and sharing. They will use this knowledge to help them divide by 2. They will be secure with representing division as an abstract number sentence using the division and equals symbol.

Complete the stem sentences.



I have \_\_\_ cubes altogether.  
There are \_\_\_ in each group.  
There are \_\_\_ groups.

$$\boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Group the socks into pairs.



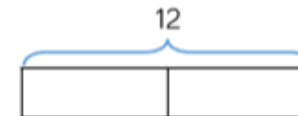
$$\boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Complete the number sentences.

Mo and Tommy have 12 sweets between them. They share them equally. How many sweets does each child get?

There are \_\_\_ sweets altogether.  
There are \_\_\_ groups.  
There are \_\_\_ in each group.



Complete the bar model and write a calculation to match.

### Divide by 5

During this step, children focus on efficient strategies and whether they should use grouping or sharing depending on the context of the question. They will continue to see the = sign before and after the calculation.

40 pencils are shared between 5 children.



How many pencils does each child get?

Group the 1p coins into 5s.



How many 5p coins do we

need to make the same amount of money?

Draw coins and complete the missing information.

- \_\_\_ lots of 5p = 20 one pence coins
- \_\_\_ lots of 5p = 20p
- 20p = \_\_\_ × 5p
- 20p + 5 = \_\_\_

### Divide by 10

Children will need to use both grouping and sharing to divide by 10 depending on the context of the problem. Children start to see that grouping and counting in 10's is more efficient than sharing into 10 equal groups.

Apples can be sold in packs of 10

How many packs can be made below?



When 30 apples are sold in packs of 10, \_\_\_ packs of apples can be made.

Can you show this in a bar model?



Label and explain what each part represents.

I have 70p in my pocket made up of 10p coins. How many coins do I have? Draw a picture to prove your answer.



Fill in the missing numbers.

- 70 ÷ 10 = \_\_\_
- 6 tens + 1 ten = \_\_\_
- 5 = \_\_\_ ÷ 10
- There are \_\_\_ tens in 40

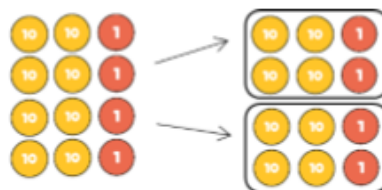
### Year 3

### Methods and Examples

#### Divide 2-digits by 1-digit (1)

Children divide 2-digit numbers by a 1-digit number by partitioning into tens and ones and sharing into equal groups. They divide numbers that do not involve exchange or remainders. It is important that children divide the tens first and then the ones.

Ron uses place value counters to solve  $84 \div 2$

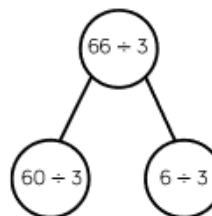


I made 84 using place value counters and divided them between 2 equal groups.



Eva uses a place value grid and part-whole model to solve  $66 \div 3$

Tens	Ones

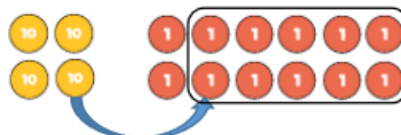


#### Divide 2-digits by 1-digit (2)

Children divide 2-digit numbers by a 1-digit number by partitioning into tens and ones and sharing into equal groups. They divide numbers that involve exchanging between the tens and ones. The answers do not have remainders.

Children use their times-tables to partition the number into multiples of the divisor.

Ron uses place value counters to divide 42 into three equal groups.



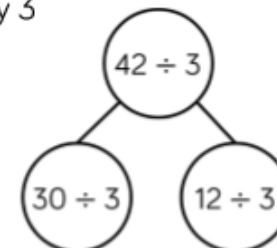
He shares the tens first and exchanges the remaining ten for ones.



Then he shares the ones.  
 $42 \div 3 = 14$

Annie uses a similar method to divide 42 by 3

Tens	Ones

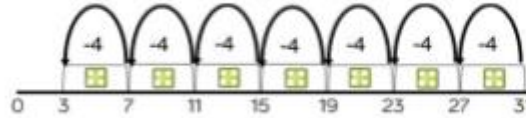


Use Annie's method to calculate:

### Divide 2-digits by 1-digit (3)

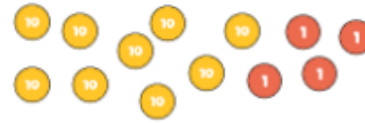
Children move onto solving division problems with a remainder. Links are made between division and repeated subtraction, which builds on learning in Year 2.

Tommy uses repeated subtraction to solve  $31 \div 4$



$$31 \div 4 = 7 \text{ r } 3$$

Use place value counters to work out  $94 \div 4$   
Did you need to exchange any tens for ones?  
Is there a remainder?



Tens	Ones

Year 4

### Methods and Examples

### Divide 2-digits by 1-digit (1)

Children build on their knowledge of dividing a 2-digit number by a 1-digit number from Year 3 by sharing into equal groups.

Children use examples where the tens and the ones are divisible by the divisor. They then move on to calculations where they exchange between tens and ones.

Presenting the problem:

*'Eighty-one marbles are shared equally between three children. How many marbles does each child get?'*

$$81 \div 3 = ?$$

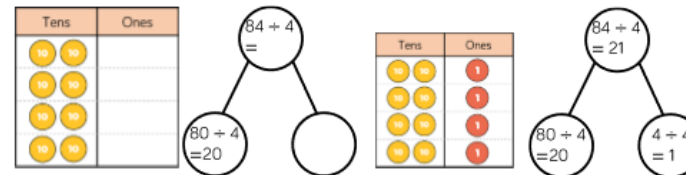


Jack is dividing 84 by 4 using place value counters.



First, he divides the tens.

Then, he divides the ones.



## Divide 2-digits by 1-digit (2)

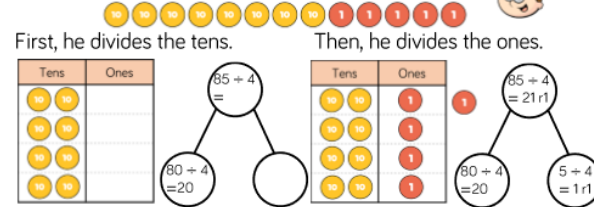
Children explore dividing 2-digit numbers by 1-digit numbers involving remainders. They continue to use the place value counters to divide in order to explore why there are remainders.

### Short division

$$\begin{array}{r} 21 \\ 4 \overline{) 84} \end{array}$$

- $8 \text{ tens} \div 4 = 2 \text{ tens}$   
'Write "2" in the tens column.'
  - $4 \text{ ones} \div 4 = 1 \text{ one}$   
'Write "1" in the ones column.'
- 
- 'First write the divisor: "4".'
  - 'Then draw the frame.'
  - 'Then write the dividend: "84".'
  - 'Now divide, starting with the tens: eight tens divided by four is equal to two tens; write "2" in the tens column.'
  - 'Then move to the ones: four ones divided by four is equal to one one; write "1" in the ones column.'

Teddy is dividing 85 by 4 using place value counters.



Algorithm with place-value counters - summary:

	<p><math>8 \text{ tens} \div 4 = 2 \text{ tens}</math></p> <p><math>4 \text{ ones} \div 4 = 1 \text{ one}</math></p> <ul style="list-style-type: none"> <li>• 'Eight tens and four ones divided between four is equal to two tens and one one.'</li> <li>• 'Each child gets twenty-one sticks.'</li> </ul>
--	--

Seventy-three sticks are shared equally between three children. How many sticks does each child get?  
 $73 \div 3 = ?$

<p>Step 1 - write the divisor and dividend</p>	<p>Step 2 - sharing the tens...</p>
<p>'Seventy-three divided by three.'</p>	<p><math>7 \text{ tens} \div 3 = 2 \text{ tens} \text{ r} 1 \text{ ten}</math> 'Write "2" in the tens column...'</p>
<p>Step 3 - ...and exchanging</p>	<p>Step 4 - sharing the ones</p>
<p>1 ten = 10 ones '...and write "1" to the left of the ones digit of the dividend to make thirteen ones.'</p>	<p><math>13 \text{ ones} \div 3 = 4 \text{ ones} \text{ r} 1 \text{ one}</math> 'Write "4 r 1" in the ones column.'</p>





*'Seven hundred and five exercise books are shared equally between five year groups. How many books does each year group get?'*

$$705 \div 5 = ?$$

Sharing the hundreds:

	$\begin{array}{r} 1 \\ 5 \overline{) 705} \end{array}$
<p>7 hundreds <math>\div</math> 5 = 1 hundred r 2 hundreds  <i>'Write "1" in the hundreds column...'</i></p>	

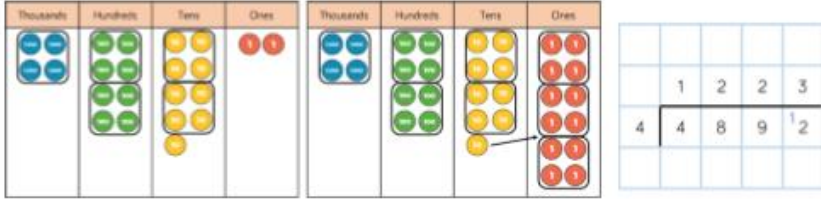
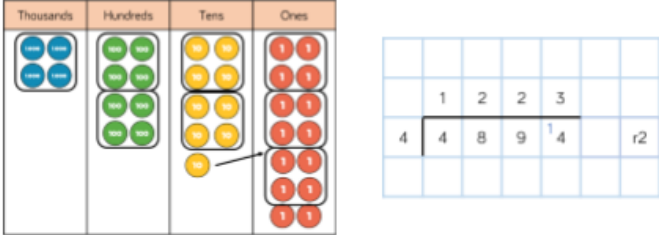
Exchanging:

	$\begin{array}{r} 1 \\ 5 \overline{) 7205} \end{array}$
<p>2 hundreds = 20 tens  <i>'...and write "2" to the left of the tens digit of the dividend to make twenty tens.'</i></p>	

Short Division

$$\begin{array}{r} 1 \ 5 \ 3 \\ 4 \overline{) 6212} \end{array}$$



<p><b>Year 5</b></p>	<p><b>Methods and Examples</b></p>															
<p><b>Divide 4-digits by 1-digit</b></p> <p>Children use their knowledge from Year 4 of dividing 3-digit numbers by a 1-digit number to divide up to 4-digit numbers by a 1-digit number.</p> <p>They use place value counters to partition their number and then group to develop their understanding of the short division method.</p>	<p>Here is a method to calculate 4,892 divided by 4 using place value counters and short division.</p> 															
<p><b>Divide with Remainders</b></p> <p>Children continue to use place value counters to partition and then group their number to further develop their understanding of the short division method.</p> <p>They start to focus on remainders and build on their learning from Year 4 to understand remainders in context. They do not represent remainders as a fraction at this point.</p>	<p>Here is a method to solve 4,894 divided by 4 using place value counters and short division.</p> 															
<p><b>Year 6</b></p>	<p><b>Methods and Examples</b></p>															
<p><b>2-digit divisors</b></p> <p>Children build on their understanding of dividing up to 4-digits by 1-digit by now dividing by up to two digits. They use the short division method and focus on the grouping structure of division.</p> <p><b>Short Division</b></p>	<p>Calculate using short division.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px; height: 20px;">5</td><td style="width: 20px; height: 20px;">7</td><td style="width: 20px; height: 20px;">2</td><td style="width: 20px; height: 20px;">5</td></tr> </table> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px; height: 20px;">3</td><td style="width: 20px; height: 20px;">1</td><td style="width: 20px; height: 20px;">9</td><td style="width: 20px; height: 20px;">3</td><td style="width: 20px; height: 20px;">8</td></tr> </table> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td style="width: 20px; height: 20px;">1</td><td style="width: 20px; height: 20px;">2</td><td style="width: 20px; height: 20px;">6</td><td style="width: 20px; height: 20px;">0</td><td style="width: 20px; height: 20px;">3</td><td style="width: 20px; height: 20px;">6</td></tr> </table> <div style="text-align: right;"> <math>3,612 \div 14</math> </div> </div> <p>List the multiples of the divisors to help you calculate.</p>	5	7	2	5	3	1	9	3	8	1	2	6	0	3	6
5	7	2	5													
3	1	9	3	8												
1	2	6	0	3	6											

Step 4 – subtract to find the remainder

$$\begin{array}{r} 0 \ 1 \\ 31 \overline{) 4 \ 3 \ 4} \\ \underline{3 \ 1} \quad (1 \text{ ten} \times 31 = 31 \text{ tens}) \\ 1 \ 2 \end{array}$$

43 tens – 31 tens = 12 tens

- 'Write "12" underneath the "31".'

Step 5 – exchange tens for ones and combine with the existing ones

$$\begin{array}{r} 0 \ 1 \\ 31 \overline{) 4 \ 3 \ 4} \\ \underline{3 \ 1} \quad \downarrow \quad (1 \text{ ten} \times 31 = 31 \text{ tens}) \\ 1 \ 2 \ 4 \end{array}$$

12 tens = 120 ones

120 ones + 4 ones = 124 ones

- 'Write "4" after the "12".'

Step 6 – divide the ones

$$\begin{array}{r} 0 \ 1 \ 4 \\ 31 \overline{) 4 \ 3 \ 4} \\ \underline{3 \ 1} \quad (1 \text{ ten} \times 31 = 31 \text{ tens}) \\ 1 \ 2 \ 4 \\ \underline{1 \ 2 \ 4} \quad (4 \text{ ones} \times 31 = 124 \text{ ones}) \\ 0 \end{array}$$

124 ones ÷ 31 = 4 ones

(refer to the ratio chart)

- 'Write "4" in the ones column of the answer line and write "124" underneath the "124", aligning the digits.'

Step 7 – subtract to show there is no remainder

$$\begin{array}{r} 0 \ 1 \ 4 \\ 31 \overline{) 4 \ 3 \ 4} \\ \underline{3 \ 1} \quad (1 \text{ ten} \times 31 = 31 \text{ tens}) \\ 1 \ 2 \ 4 \\ \underline{1 \ 2 \ 4} \quad (4 \text{ ones} \times 31 = 124 \text{ ones}) \\ 0 \end{array}$$

124 ones – 124 ones = 0 ones

- 'Write "0" underneath the "31".'

- 'Becky can wrap fourteen presents.'

Step 2 – divide the hundreds

$$\begin{array}{r} 0 \\ 31 \overline{) 4 \ 3 \ 4} \end{array}$$

4 hundreds ÷ 31 = 0 hundreds r 4 hundreds

- 'Write "0" in the hundreds column of the answer line.'

Step 3 – exchange hundreds for tens, combine with the existing tens and divide...

$$\begin{array}{r} 0 \ 1 \\ 31 \overline{) 4 \ 3 \ 4} \\ \underline{3 \ 1} \quad (1 \text{ ten} \times 31 = 31 \text{ tens}) \end{array}$$

4 hundreds = 40 tens

40 tens + 3 tens = 43 tens

43 tens ÷ 31 = 1 ten and a remainder

- 'Write "1" in the tens column of the answer line and write "31" underneath the "43".'

### Division using factors

Children use their number sense, specifically their knowledge of factors, to be able to see the relationship between the dividend (number being divided) and the divisor (number that the dividend is being divided by).

Calculate  $780 \div 20$

Now calculate  $780 \div 10 \div 2$

What do you notice? Why does this work?

Use the same method to calculate  $480 \div 60$

### Long Division (1)

Children are introduced to long division as a different method of dividing by a 2-digit number.

They divide 3-digit numbers by a 2-digit number without remainders, starting with a more expanded method (with multiples shown), before progressing to the more formal long division method.

		0	3	6	
1	2	4	3	2	( $\times 30$ )
	-	3	6	0	
			7	2	( $\times 6$ )
	-		7	2	
				0	

Multiples of 12:

$12 \times 1 = 12$   
 $12 \times 2 = 24$   
 $12 \times 3 = 36$   
 $12 \times 4 = 48$   
 $12 \times 5 = 60$   
 $12 \times 6 = 72$   
 $12 \times 7 = 84$   
 $12 \times 8 = 96$   
 $12 \times 9 = 108$   
 $12 \times 10 = 120$

		0	3	6	
1	2	4	3	2	
	-	3	6	↓	
			7	2	
	-		7	2	
				0	

Use the long division method to calculate:

$836 \div 11$   
 $798 \div 14$   
 $608 \div 19$

### Long Division (2)

Building on using long division with 3-digit numbers, children divide 4-digit numbers by 2-digits using the long division method.

Here is a division method.

	0	4	8	9	
15	7	3	3	5	
–	6	0	0	0	(x400)
	1	3	3	5	
–	1	2	0	0	(x80)
		1	3	5	
–		1	3	5	(x9)
				0	

### Long Division (3)

Children now divide using long division where answers have remainders. After dividing, they check that the remainder is smaller than the divisor.

Tommy uses this method to calculate 372 divided by 15  
He has used his knowledge of multiples to help.

			2	4	r	1	2	
1	5	3	7	2				
–		3	0	0				
			7	2				
–			6	0				
			1	2				

- 1 × 15 = 15
- 2 × 15 = 30
- 3 × 15 = 45
- 4 × 15 = 60
- 5 × 15 = 75
- 10 × 15 = 150

### Long Division (4)

Children now divide four-digit numbers using long division where their answers have remainders. After dividing, they check that their remainder is smaller than their divisor.

Amir used this method to calculate 1,426 divided by 13

			1	0	9	r	9	
1	3	1	4	2	6			
–		1	3	0	0			(x 100)
			1	2	6			
–			1	1	7			(x9)
					9			

Children start to understand when rounding is appropriate to use for interpreting the remainder and when the context means that it is not applicable.

Four-digit ÷ two-digit calculation without remainder:

$$4,945 \div 23 = ?$$

Long division	Short division
$\begin{array}{r} 215 \\ 23 \overline{) 4945} \\ \underline{46} \phantom{0} \\ 34 \phantom{0} \\ \underline{23} \phantom{0} \\ 115 \\ \underline{115} \\ 0 \end{array}$	$\begin{array}{r} 0215 \\ 23 \overline{) 4945} \\ \underline{46} \phantom{0} \\ 34 \phantom{0} \\ \underline{34} \phantom{0} \\ 115 \\ \underline{115} \\ 0 \end{array}$

Four-digit ÷ two-digit calculation with remainder:

$$7,283 \div 28 = ?$$

Long division	Short division
$\begin{array}{r} 260r3 \\ 28 \overline{) 7283} \\ \underline{56} \phantom{0} \\ 168 \\ \underline{168} \\ 03 \end{array}$	$\begin{array}{r} 260r3 \\ 28 \overline{) 7283} \end{array}$

Partitioning



$$310 \div 31 = 10$$

$$124 \div 31 = 4$$

$$434 \div 31 = 14$$

Short division

$$\begin{array}{r} 014 \\ 31 \overline{) 434} \\ \underline{43} \phantom{0} \\ 124 \\ \underline{124} \\ 0 \end{array}$$

Long division

$$\begin{array}{r} 014 \\ 31 \overline{) 434} \\ \underline{31} \phantom{0} \\ 124 \\ \underline{124} \\ 0 \end{array}$$

(1 ten × 31 = 31 tens)

(4 ones × 31 = 124 ones)

Three-digit ÷ two-digit calculation with a remainder:

Ratio chart	Short division	Long division															
<table border="1" style="margin: auto;"> <tr><td></td><td style="text-align: center;"><b>× 33</b></td><td></td></tr> <tr><td>1</td><td style="text-align: center;">33</td><td></td></tr> <tr><td>2</td><td style="text-align: center;">66</td><td></td></tr> <tr><td>3</td><td style="text-align: center;"> </td><td></td></tr> <tr><td>4</td><td style="text-align: center;">132</td><td></td></tr> </table>		<b>× 33</b>		1	33		2	66		3			4	132		$\begin{array}{r} 0 \quad 2 \quad 1 \quad r25 \\ 33 \overline{) 7 \quad 1 \quad 5 \quad 8} \end{array}$	$\begin{array}{r} 2 \quad 1 \quad r25 \\ 33 \overline{) 7 \quad 1 \quad 8} \\ \underline{6 \quad 6} \phantom{0} \\ 5 \quad 8 \\ \underline{3 \quad 3} \phantom{0} \\ 2 \quad 5 \phantom{0} \end{array}$
	<b>× 33</b>																
1	33																
2	66																
3																	
4	132																

Long division – remainder expressed as a whole number:  
*'Sue has seven hundred and thirty books. She packs them into boxes of twenty-five.'*

- 'How many full boxes are there?'
- 'How many boxes does she need to pack all of the books?'
- 'How many books are not in a full box?'

$730 \div 25 = ?$

$$\begin{array}{r} 2 \quad 9 \quad r5 \\ 25 \overline{) 7 \quad 3 \quad 0} \\ \underline{5 \quad 0} \phantom{0} \\ 2 \quad 3 \quad 0 \\ \underline{2 \quad 2 \quad 5} \\ 0 \quad 0 \quad 5 \end{array}$$

	<b>× 25</b>
1	25
2	50
4	100
5	125
8	200
10	250

• So,  $730 \div 25 = 29 \text{ r } 5$

Full boxes: 29  
 Boxes needed: 30  
 Books not in a full box: 5

Short division alternative:

$$\begin{array}{r} 0 \quad 2 \quad 9 \quad r5 \\ 25 \overline{) 7 \quad 3 \quad 23 \quad 0} \end{array}$$

Long division – remainder converted to decimal fraction:  
*'Dinesh sells twenty-five jumpers, each for the same amount, and makes a total of £730. How much did each jumper sell for?'*

$730 \div 25 = ?$

Step 1 – calculate the whole-number quotient:

$$\begin{array}{r} 2 \quad 9 \\ 25 \overline{) 7 \quad 3 \quad 0} \\ \underline{5 \quad 0} \phantom{0} \\ 2 \quad 3 \quad 0 \\ \underline{2 \quad 2 \quad 5} \\ 5 \phantom{0} \end{array}$$

- 73 tens ÷ 25 = 2 tens and a remainder  
*'Write "2" in the tens column of the answer line and write "50" underneath the "73".'*
- 73 tens – 50 tens = 23 tens  
*'Write "23" underneath the "50".'*
- 23 tens = 230 ones  
*'Write "0" after the "23".'*
- 230 ones ÷ 25 = 9 ones and a remainder  
*'Write "9" in the ones column of the answer line and write "225" underneath the "230".'*
- 230 ones – 225 ones = 5 ones  
*'Write "5" underneath the "225".'*

Step 2 – introduce the decimal point:

$$\begin{array}{r} 2 \quad 9 \quad . \\ 25 \overline{) 7 \quad 3 \quad 0 \quad . \quad 0} \\ \underline{5 \quad 0} \phantom{0} \\ 2 \quad 3 \quad 0 \\ \underline{2 \quad 2 \quad 5} \\ 5 \phantom{0} \end{array}$$

- *'There is a remainder. To represent this as a decimal fraction, first write a decimal point after the ones digit of both the dividend and the quotient. Write a placeholder zero in the tenths column of the dividend.'*

Step 3 – continue:

$$\begin{array}{r} 2 \quad 9 \quad . \\ 25 \overline{) 7 \quad 3 \quad 0 \quad . \quad 0} \\ \underline{5 \quad 0} \phantom{0} \\ 2 \quad 3 \quad 0 \\ \underline{2 \quad 2 \quad 5} \\ 5 \quad 0 \end{array}$$

- 5 ones = 50 tenths  
*'Write "0" after the "5".'*



Step 4 – complete the calculation:

$$\begin{array}{r}
 29.2 \\
 25 \overline{) 730.0} \\
 \underline{50} \phantom{0} \\
 230 \\
 \underline{225} \\
 50 \\
 \underline{50} \\
 0
 \end{array}$$

- 50 tenths + 25 = 2 tenths  
*Write "2" in the tenths column of the answer line and write "50" underneath the "50".*
- 50 tenths – 50 tenths = 0 tenths  
*Write "0" underneath the "50".*
- So,  $730 \div 25 = 29.2$
- 'Each jumper sold for £29.20.'

Short division alternative:

$$\begin{array}{r}
 029.2 \\
 25 \overline{) 730.50}
 \end{array}$$

$354 \div 15 = ?$

$  \begin{array}{r}  23r9 \\  15 \overline{) 354} \\  \underline{30} \\  54 \\  \underline{45} \\  9  \end{array}  $	$  \begin{array}{r}  23\frac{9}{15} \\  15 \overline{) 354} \\  \underline{30} \\  54 \\  \underline{45} \\  9  \end{array}  $	$  \begin{array}{r}  23.6 \\  15 \overline{) 354.0} \\  \underline{30} \\  54 \\  \underline{45} \\  90 \\  \underline{90} \\  0  \end{array}  $
So, $354 \div 15 = 23 \text{ r } 9$	So, $354 \div 15 = 23\frac{9}{15}$	So, $354 \div 15 = 23.6$