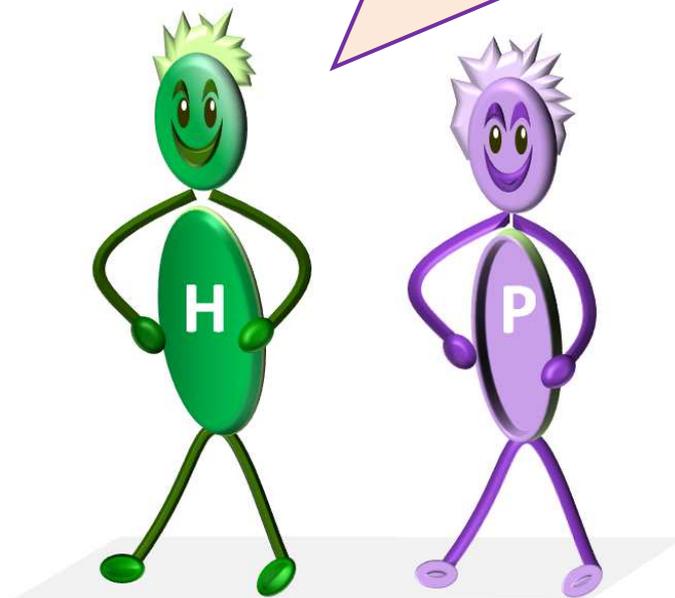


Henry and Poppy
have fun with **Division**

Year 3 to Year 4 maths

We had fun making these questions
for you. Enjoy them.



CONTENT

Year 3:

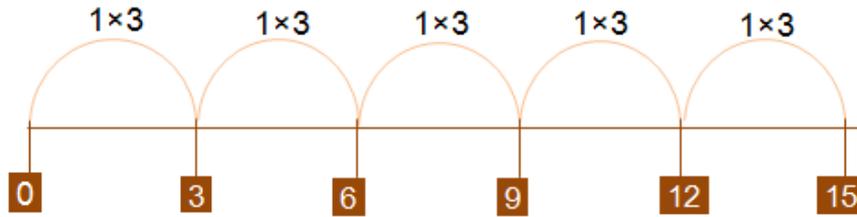
- Division by counting down on a number line for division facts 2, 3, 4, 5, 8 and 10
- Division by counting down on a number line with a remainder, division facts 2, 3, 4, 5, 8 and 10
- Problem Solving

Year 4:

- Division by chunking up on a number line (not just 3 but $10 \times 3 = 30$) with **one** chunk exactly
- Division by chunking up on a number line) with **more than one** chunk (not just 10×3 but $10 \times 3 + 10 \times 3 = 60$)
- Division by chunking up on a number line) with more than one chunk (not just 10×3 but $10 \times 3 + 10 \times 3 = 60$) with a remainder
- Short division exact answer
- Problem Solving

1

Counting up (or down) on a number line



$$15 \div 3 =$$

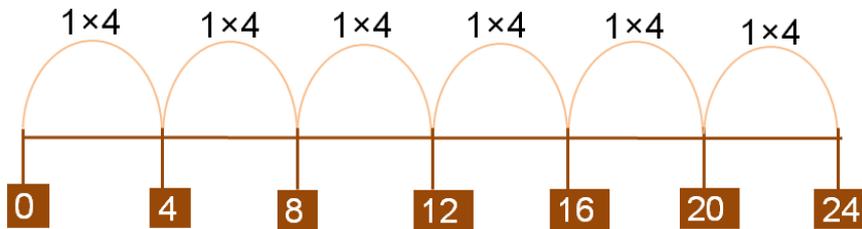
1 mark



Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

2

Counting up on a number line



$$24 \div 4 =$$

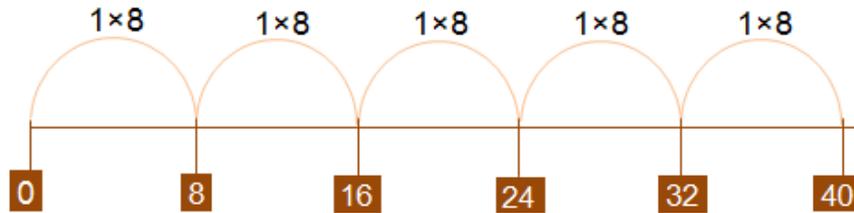
1 mark



Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

3

Counting up the number line



$$40 \div 8 =$$

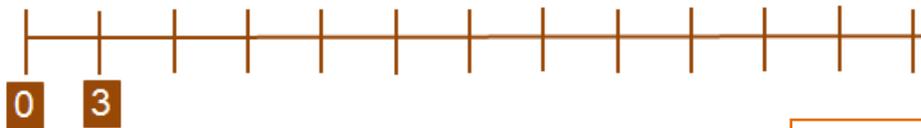
1 mark

Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

4

Count up the number line to work out

$$24 \div 3 =$$



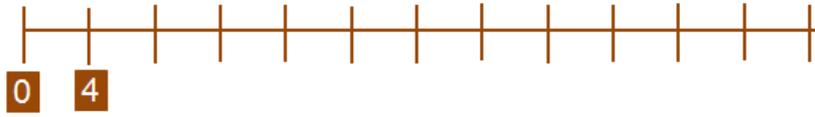
1 mark

Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

5

Count up the number line to work out

$$36 \div 4 =$$



1 mark

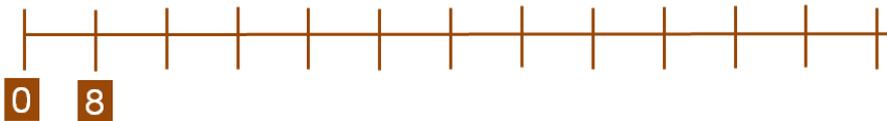


Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

6

Count up the number line to work out

$$24 \div 8 =$$



1 mark

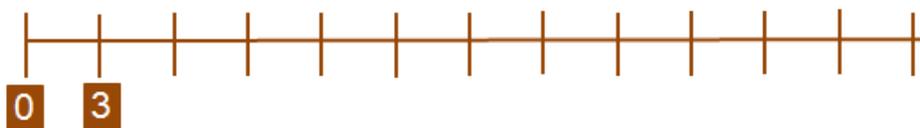


Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

7

Count up the number line to work out

$$33 \div 3 =$$



1 mark

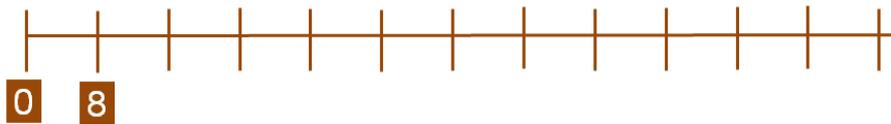


Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

8

Count up the number line to work out

$$56 \div 8 =$$



1 mark



Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

9

Count up the number line to work out

$$45 \div 5 =$$



1 mark

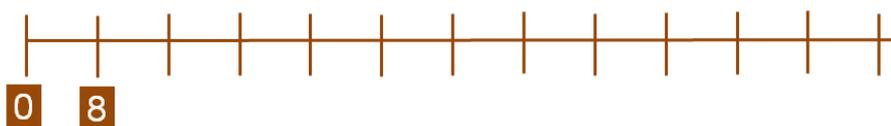


Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

10

Count up the number line to work out

$$72 \div 8 =$$



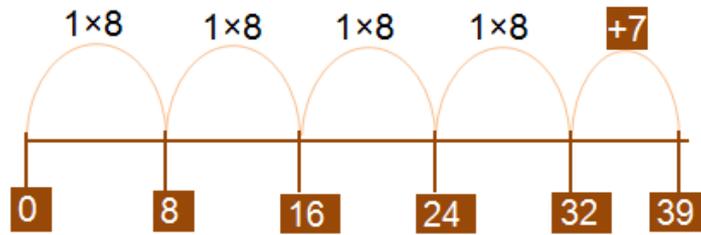
1 mark



Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10

1

Counting up on a number line with a remainder



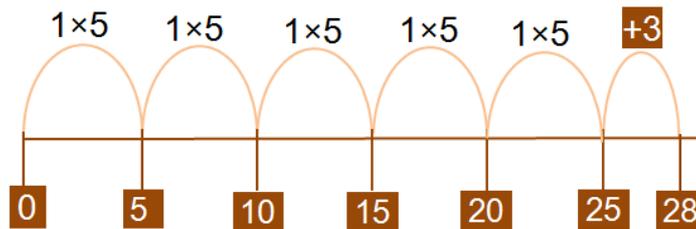
$$39 \div 8 =$$

1 mark

Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10 with a remainder

2

Counting up on a number line with a remainder



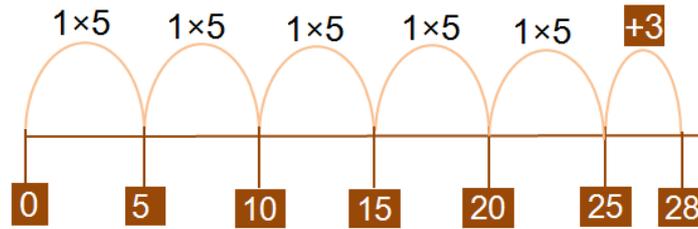
$$28 \div 5 =$$

1 mark

Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10 with a remainder

3

Counting up on a number line with a remainder



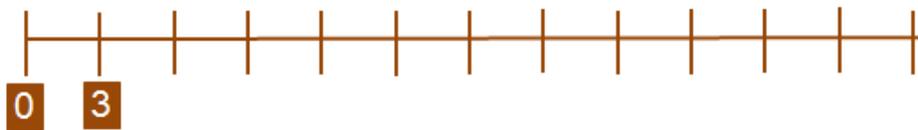
$$28 \div 5 =$$

1 mark

Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10 with a remainder

4

Counting up on a number line with a remainder



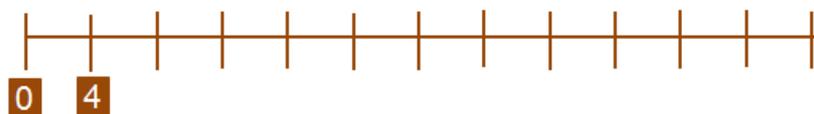
$$32 \div 3 =$$

1 mark

Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10 with a remainder

5

Counting up on a number line with a remainder



$$33 \div 4 =$$

1 mark

Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10 with a remainder

6

Counting up on a number line with a remainder



$$47 \div 5 =$$

1 mark



Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10 with a remainder

7

Counting up on a number line with a remainder



$$63 \div 8 =$$

1 mark



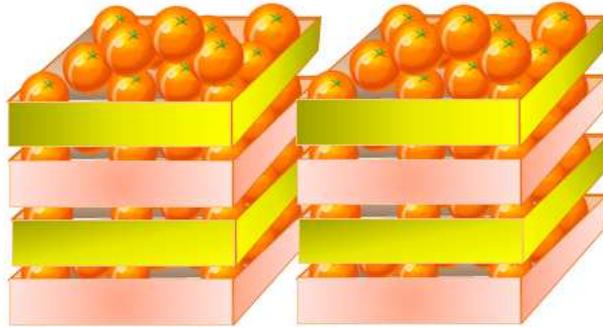
Year-3-DIVISION: Counting up on a number line using division by 2, 3, 4, 5, 8 and 10 with a remainder

3

Altogether there are 96 oranges

There are 4 trays in a stack

There are two stacks



How many oranges are there in one tray.

1 mark

Year-3 DIVISION: Problem solve

1

Henry how do you do
How many 5's go into 65
 or $65 \div 5$

You can use
 chunks to do this



10 chunks of 5's is 50
 That leaves 15 over



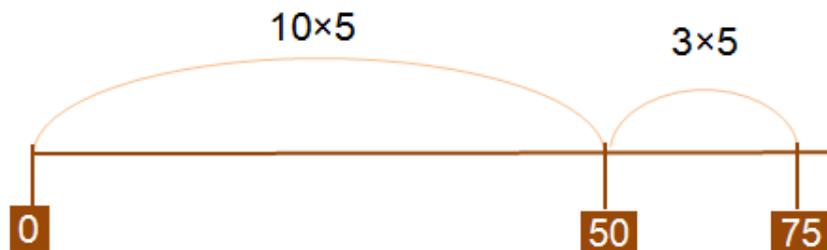
Then **3** chunks of 5 is 15
 so $65 \div 5 = 10 + 3 = 13$

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10

2

Let's do chunking for $65 \div 5$ on a number line

We have
 10 chunks of 5 then 3 chunks of 5



$65 \div 5 =$

13

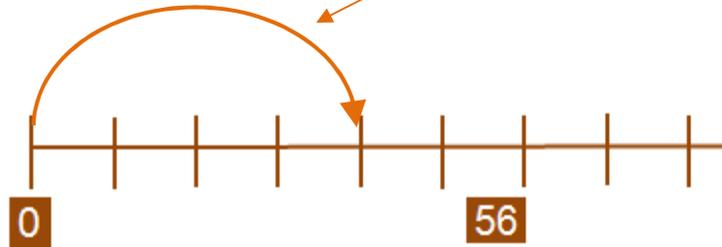
Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10

3

Let's do $56 \div 4$ by chunking on a number line



10 chunks of 4 = 40 so do that jump first.



You need another 16 so that's 4 more chunks of 4

Use 10 chunks of ..4.. then 4 chunks of ..4..

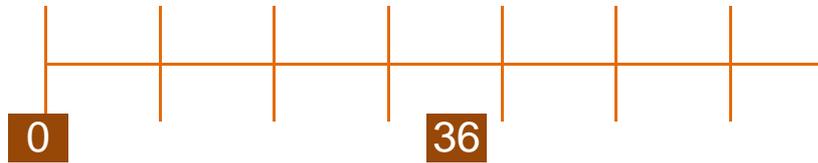
$$56 \div 4 = 14$$

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10

4

On the number line use chunks of 2 to work out

$$36 \div 3 =$$



Use 10 chunks of 3, then chunks of 3



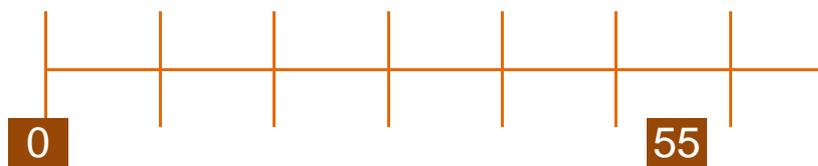
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10

5

On the number line use chunks of 5 to work out

$$55 \div 5 =$$



Use chunks of 5, then chunks of 5



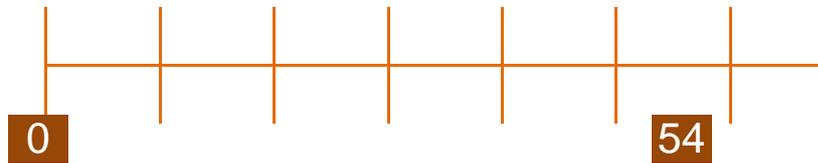
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10

6

On the number line use chunks of 3 to work out

$$54 \div 3 =$$



Use chunks of 3 then chunks of 3



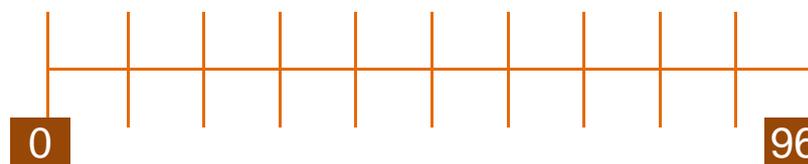
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10

7

On the number line use chunks of 8 to work out

$$96 \div 8 =$$



Use chunks of 8 then chunks of ..8..

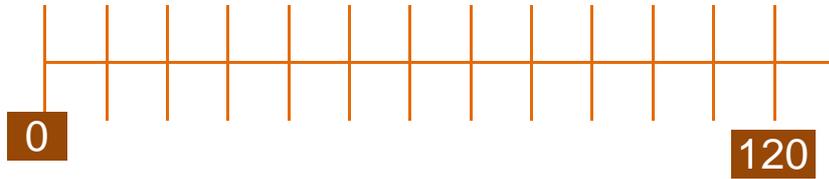


1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10

8

On the number line use chunks of 10 to work out
 $120 \div 10 =$



Use chunks of **10** then chunks of 10



1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10

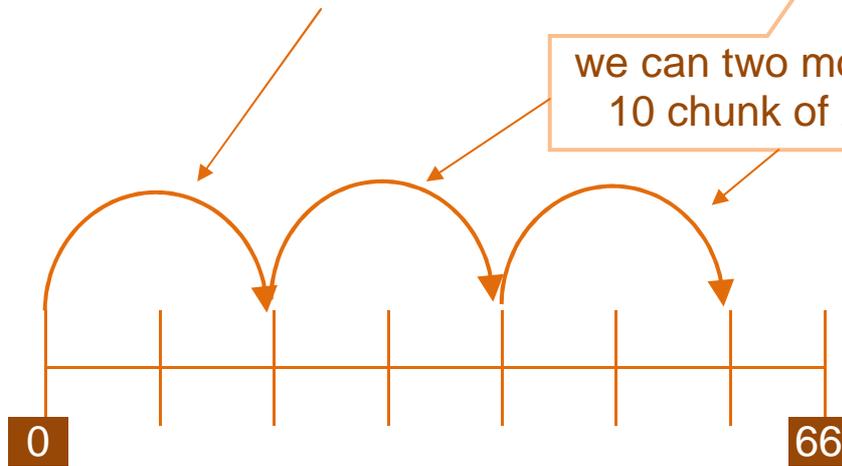
1

Let's do $66 \div 2$ by chunking on a number line



10 chunks of 2 = 20 so do that jump first.

we can two more
10 chunk of 2



Use three , 10 chunks of 2 then 3 chunks of 2

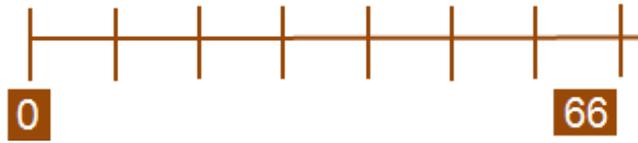
$$66 \div 2 = 33$$

Year-4-DIVISION: Division by chunking up on a number line) with **more than one** chunk (not just 10×3 but $10 \times 3 + 10 \times 3 = 60$)

2

On the number line use chunks of 3 to work out

$$66 \div 3 =$$



Use 10 chunks of 3 then chunks of 3

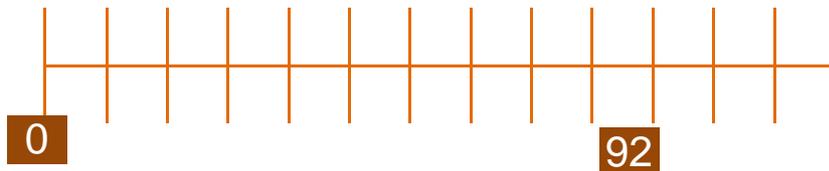
1 mark

Year-4-DIVISION: Division by chunking up on a number line) with **more than one** chunk (not just 10×3 but $10 \times 3 + 10 \times 3 = 60$)

3

On the number line use chunks of 4 to work out

$$92 \div 4 =$$



Use , 10 chunks of 4 then chunks of 4

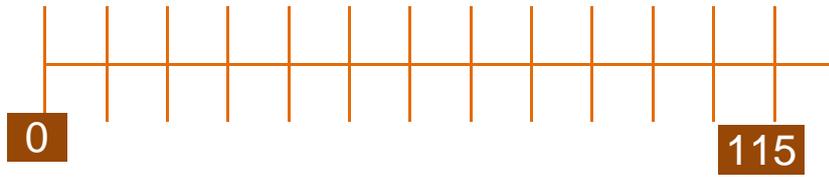
1 mark

Year-4-DIVISION: Division by chunking up on a number line) with **more than one** chunk (not just 10×3 but $10 \times 3 + 10 \times 3 = 60$)

4

On the number line use chunks of 5 to work out

$$115 \div 5 =$$



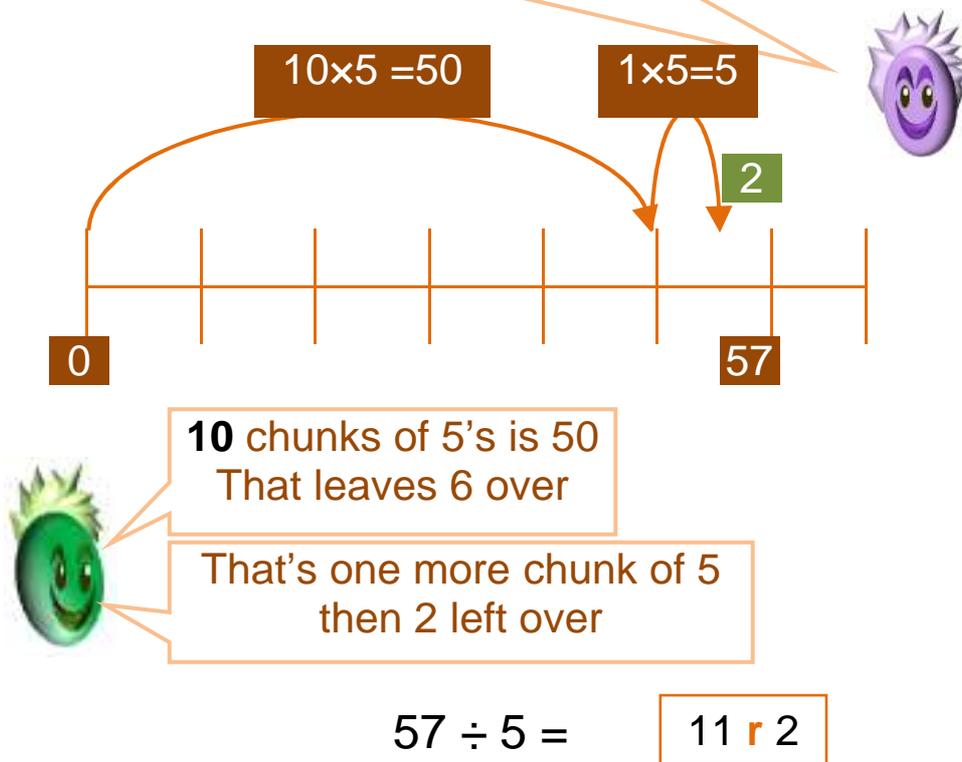
Use , 10 chunks of 5 then chunks of 5



1 mark

Year-4-DIVISION: Division by chunking up on a number line) with **more than one** chunk
(not just 10×3 but $10 \times 3 + 10 \times 3 = 60$)

If you do $57 \div 5$ it won't go exactly
and you get a **remainder**.

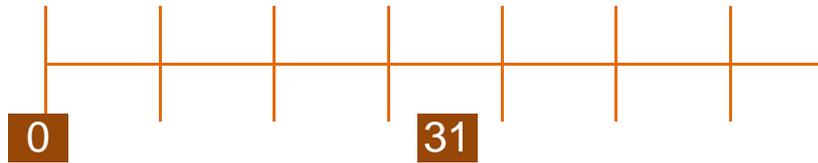


Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

2

On the number line use chunks of 2 to work out

$$31 \div 2 =$$



Use chunks of 2 then chunks of 2 with a remainder

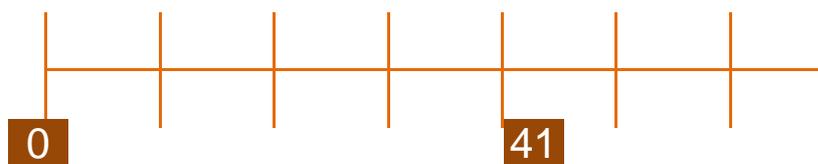
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

3

On the number line use chunks of 3 to work out

$$41 \div 3 =$$



Use chunks of 3 then chunks of 3 with a remainder

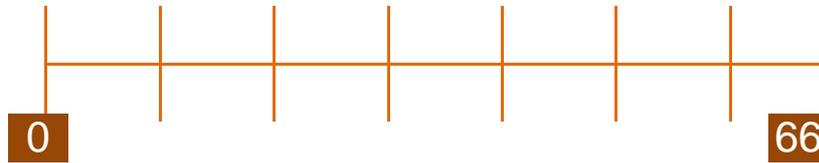
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

4

On the number line use chunks of 4 to work out

$$66 \div 4 =$$



Use chunks of 4 then chunks of 4 with a remainder

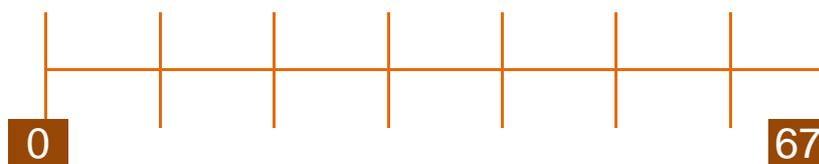
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

5

On the number line use chunks of 5 to work out

$$67 \div 5 =$$



Use chunks of 5 then chunk of 5 with a remainder

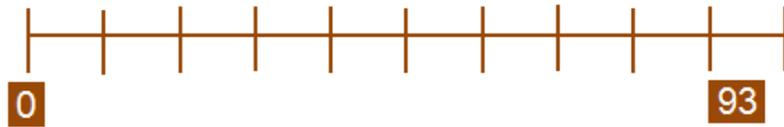
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

6

On the number line use chunks of 5 to work out

$$93 \div 5 =$$



Use chunks of 5 then chunks of 5 with a remainder

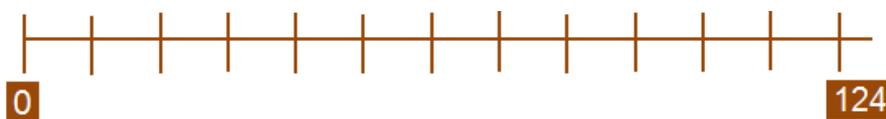
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

7

On the number line use chunks of 8 to work out

$$124 \div 8 =$$



Use chunks of 8 then chunks of 8 with a remainder

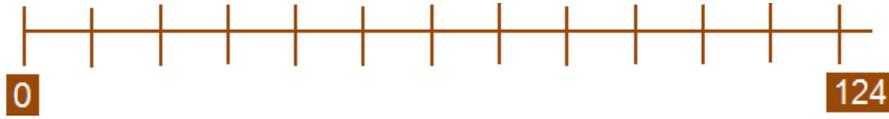
1 mark

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

8

On the number line use chunks of 10 to work out

$$124 \div 10 =$$



Use chunks of 10 then chunks of 10
with a remainder

1 mark

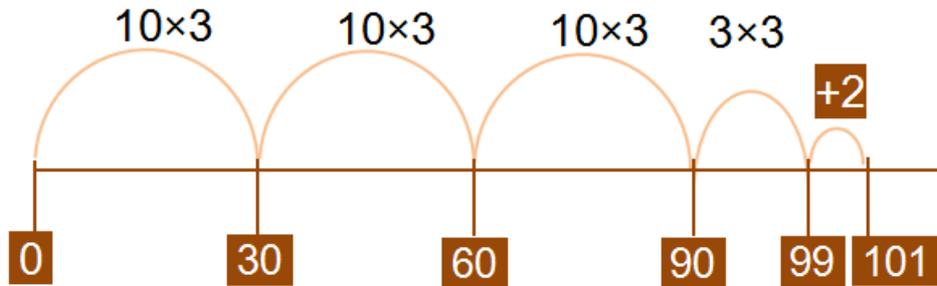
Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

9

On the number line use chunks of 3 to work out

$$101 \div 3 =$$

Use more than one 10 chunks of then
chunks of and a **remainder**



Use more than one 10 chunk of 3
then 3 chunks of 3 with remainder 2

$$101 \div 3 =$$

33 r 3

Year-4-DIVISION: Counting up on a number line using one 10 chunk of ...' then '...chunks of ... division by 2, 3, 4, 5, 8 and 10 with a remainder

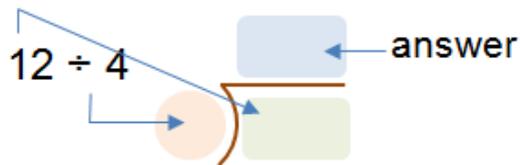
Short Division (Bus stop) with Exact Answer

1

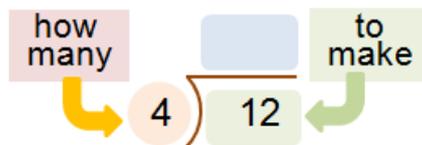
Share 12 stickers between 4 of Henry's friends



This is $12 \div 4$ and we write it like this in a bus-stop



and say ...



we need three 4's

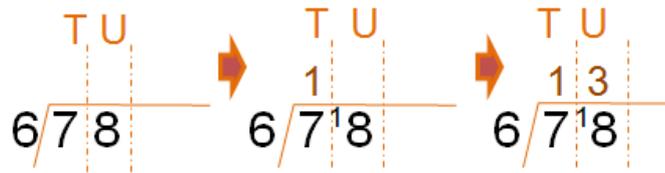
$$\begin{array}{r} 3 \\ 4 \overline{) 12} \text{ exactly} \end{array}$$

3

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

2

78 ÷ 6 using short division bus stop method



7 divided by 6 is 1 remainder 1

Carry the 1 to the 8

18 divided by 6 is 3 with no remainder

13

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

3

Start like this

$$7 \overline{) 224}$$

Will 7 go into 2? - NO

$$7 \overline{) \mathbf{2} \mathbf{2} 4}$$

Try the next two digits
Will 7 go into 22? YES

$$7 \overline{) \mathbf{2} \mathbf{2} 4}$$

How many times will 7 go into 22?
Three: $3 \times 7 = 21$
Put 3 at the top.

$$\begin{array}{r} 3 \\ 7 \overline{) \mathbf{2} \mathbf{2} 4} \end{array}$$

Is there a remainder
YES: $22 - 21 = 1$.
Put 1 before the 4

$$\begin{array}{r} 3 \\ 7 \overline{) \mathbf{2} \mathbf{2}^{\mathbf{1}} 4} \end{array}$$

Will 7 go into 14
YES: twice
 $7 \times 2 = 14$
Put 2 at the top

$$\begin{array}{r} 3 \mathbf{2} \\ 7 \overline{) \mathbf{2} \mathbf{2}^{\mathbf{1}} 4} \end{array}$$

There is no remainder
So we have finished

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

4

65 ÷ 5 using short division bus stop method

1 mark

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

5

Do 48 ÷ 4 using short division bus stop method

1 mark

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

6

Do $363 \div 3$ using short division bus stop method

1 mark

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

7

Do $196 \div 8$ using short division bus stop method

1 mark

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

8

Do $123 \div 3$ using short division bus stop method

1 mark

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

9

Do $320 \div 10$ using short division bus stop method

1 mark

Year 4-DIVISION Short Division (Bus stop) with Exact Answer

