2	4	. 1	. 2	2	_											
		_ <u>LO</u> :	Tom	ultiply	with	an ex	chang	e							] ]	
		1 km	iow w	then to	rexch	ange.										
		I ca	in use rdersta	and w	ete res here to	ources recor	d an	ow m exchai	y muu nge in	short	ions. multij	olicatio	m.			

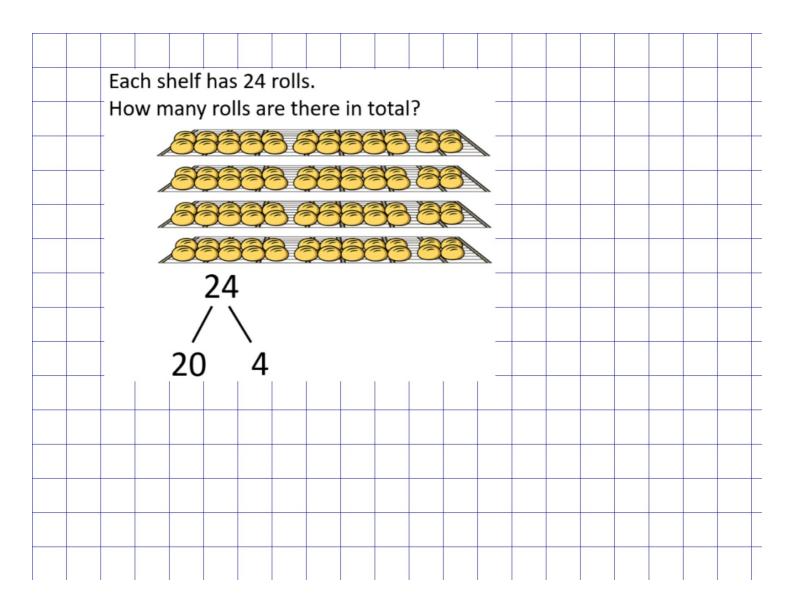
## Flashback 4

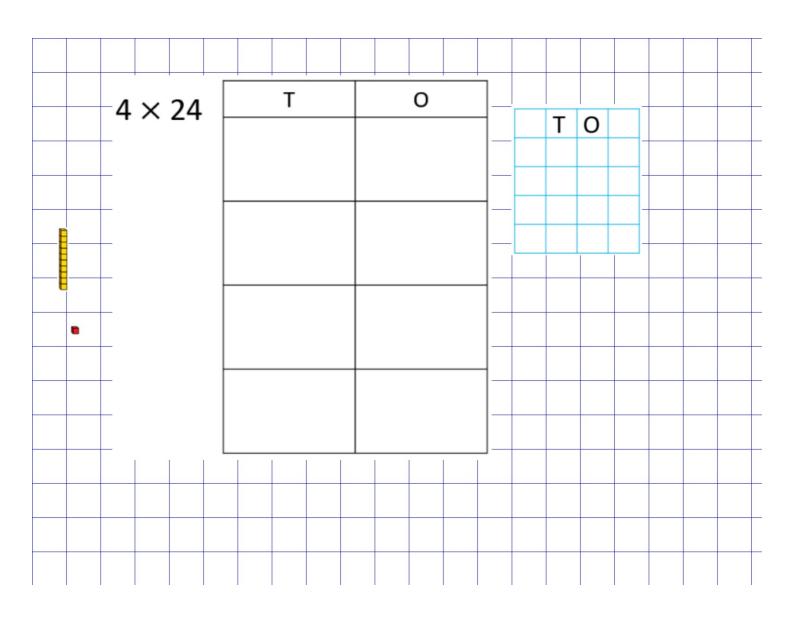
Year 3 | Week 3 | Day 4

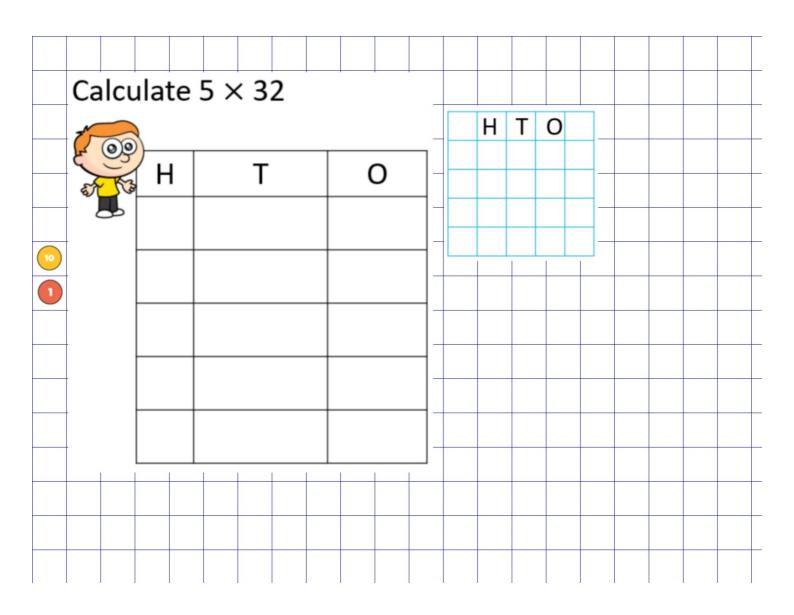


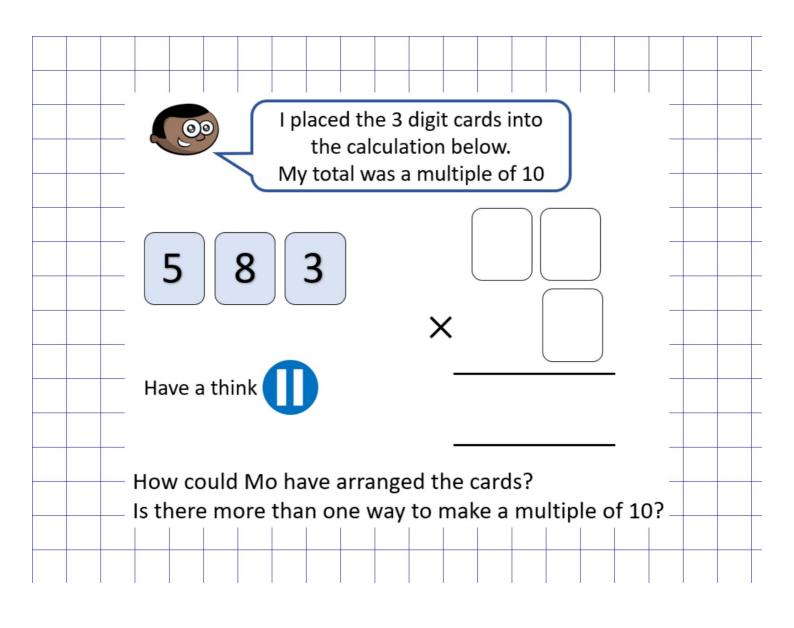
- 2) What is  $13 \times 3$ ?
- 3) What is  $90 \times 3$ ?
- 4) Subtract 45 from 450

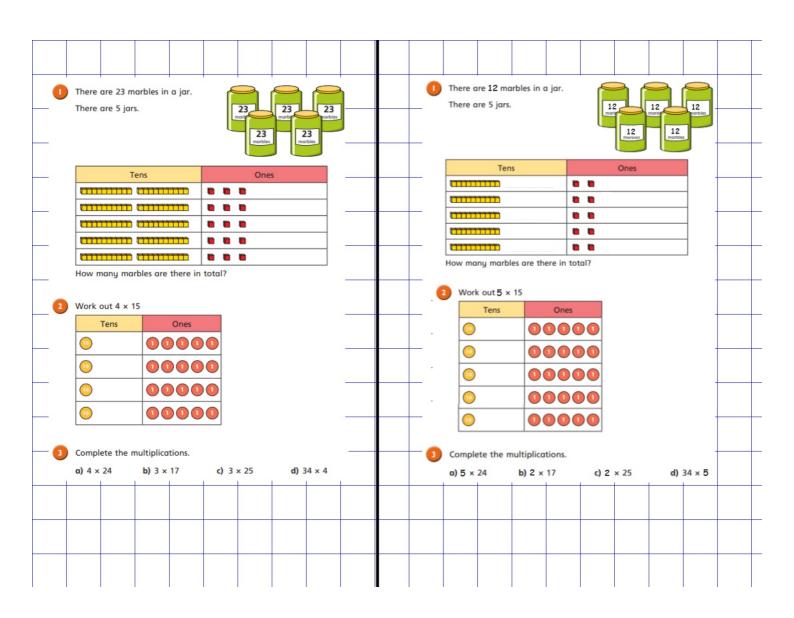


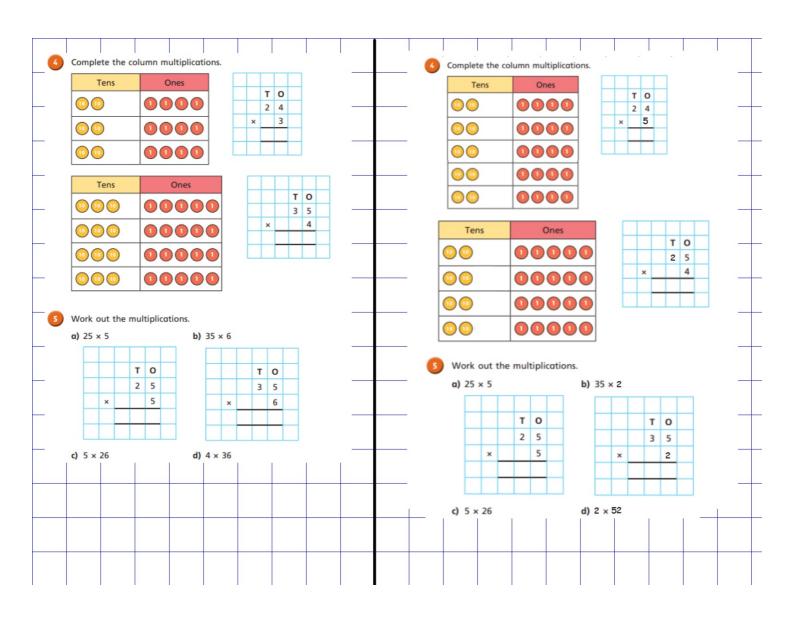






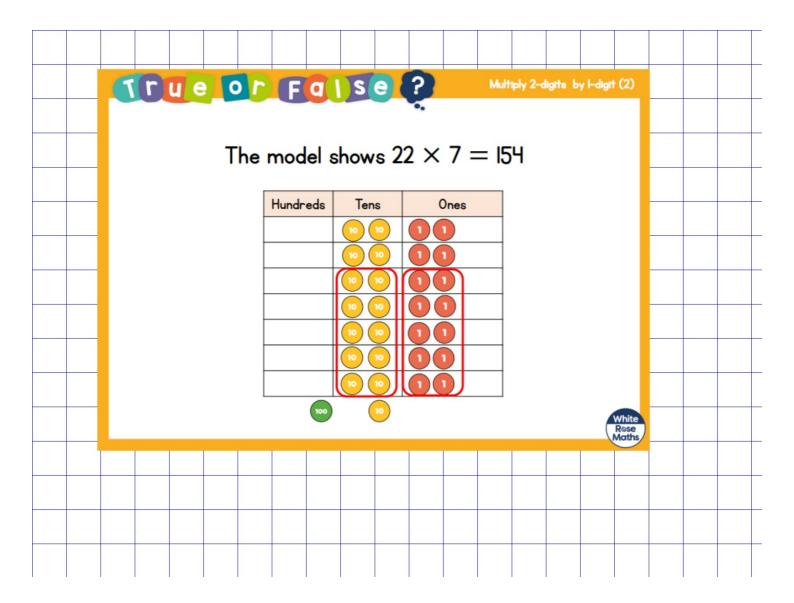




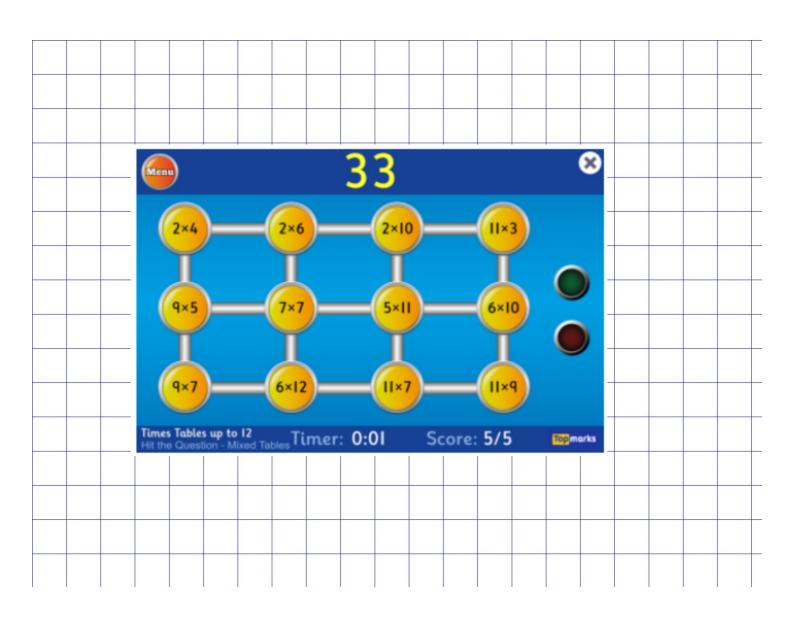


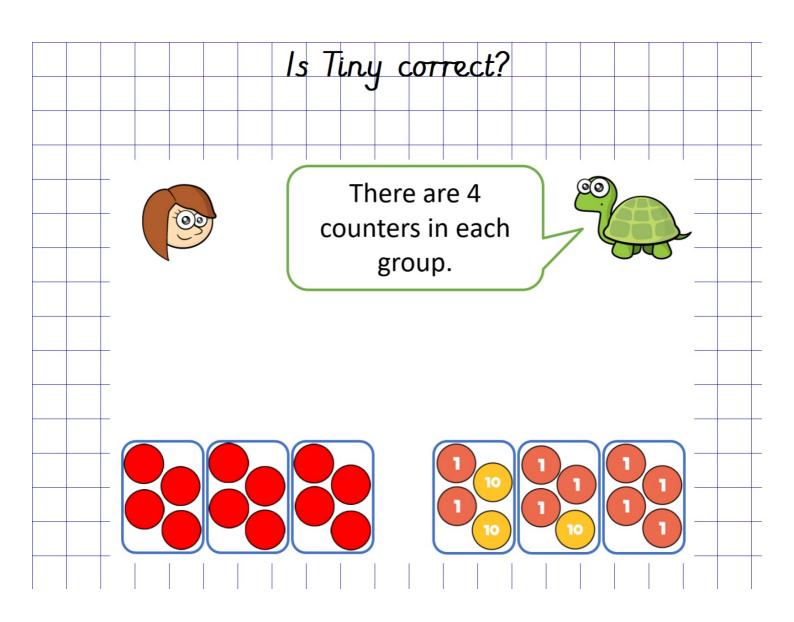
Tommy works out 37 × 2			
ТО			
3 7			
x 2			
6 1 4			
What mistake has Tommy made? Work out the correct answer.			
7 Find the missing numbers.			
2 2			
8 8 1 2 4			
0 0			
Bere are some digit cards.			
a) Use the digit cards to create a multiplication     and work out the answer.			
x   =			
b) Work with a partner to find calculations that have:			
an odd product			
an even product			
an exchange in the ones column			
<ul> <li>an exchange in the ones and tens columns.</li> </ul>			
	· -	the state of the s	

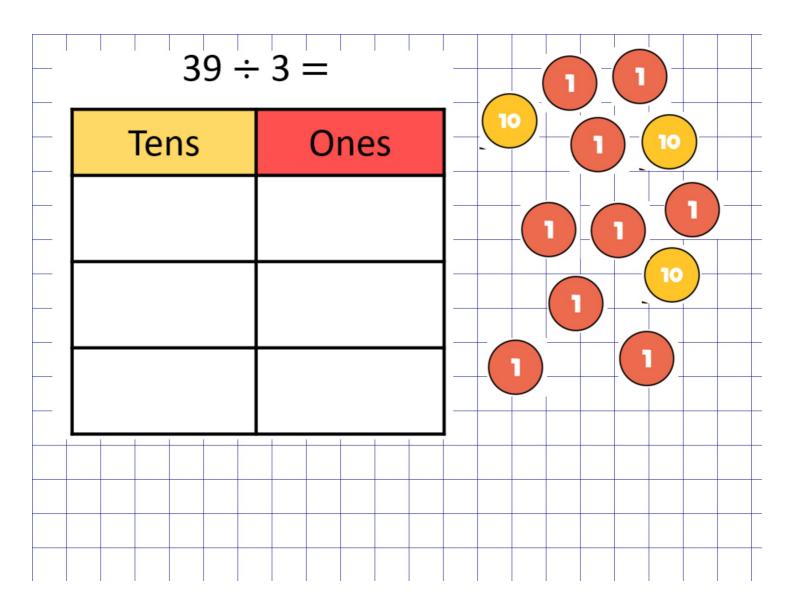
Exte	ns	sio	n									
Always, S				, Nev	er?							
	a one	numb e-digi o-digi	t num	nber	d							
Explain the n	nista	ke.		I	<u> </u>							
_	Н	т	0									
_		2	7									
_	×	2	3									
How close ca	an yo	ou get	to 10									
Use each dig multiplication		ro on	cein	tne	-							
2		3		4								
_		7	× [	$\neg$	_							
		′ ل	`[		_							

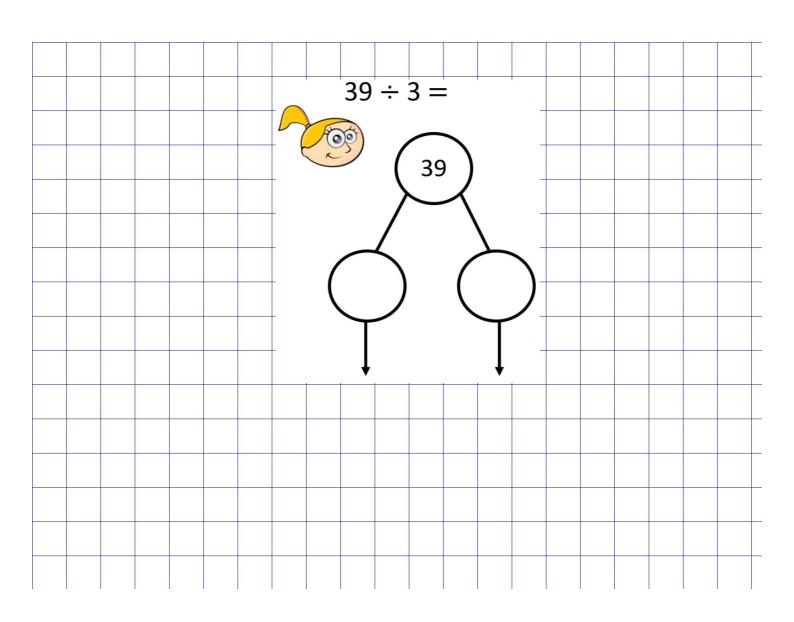


4	2 5	5. 1	.2	2											
		LO: To	o divida	e by p	artition	ring.									
		1 knov	v how i share ii	to part	ition o	num	ber in	to tens	s and	mes.					
		1 unde	erstand	1 musi	t divid	e my	tens f	irst an	d ther	my o	nes.				

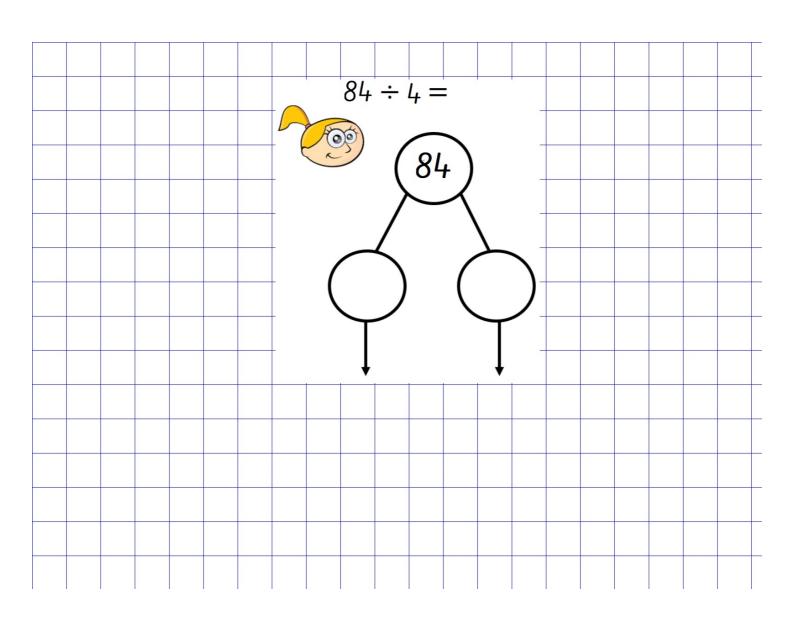


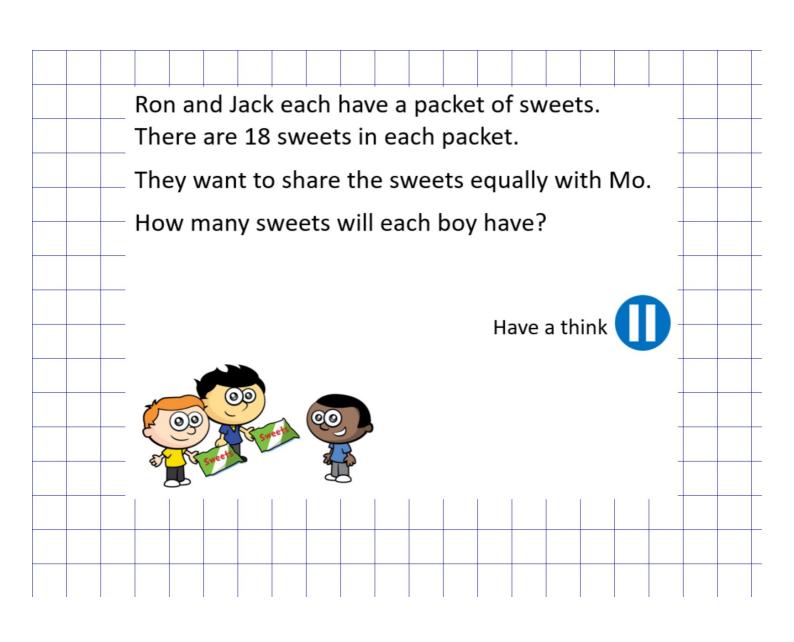




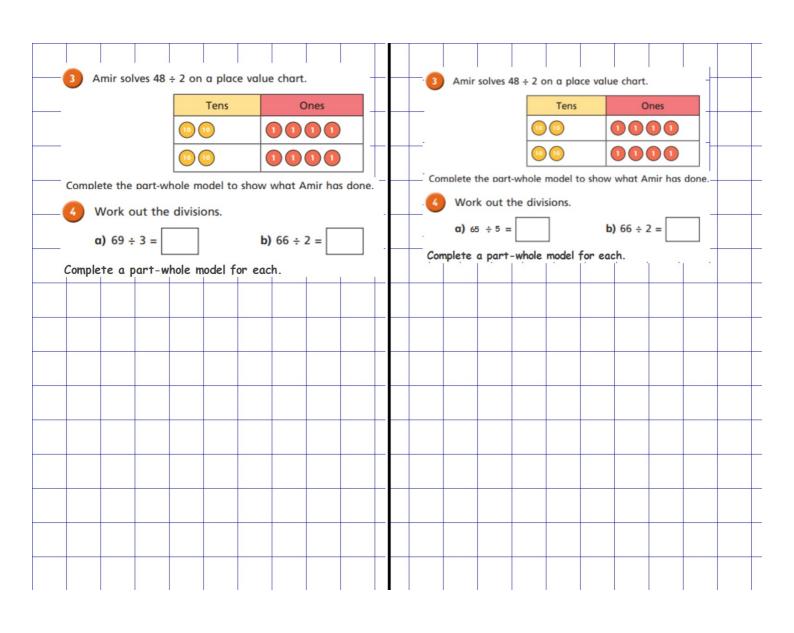


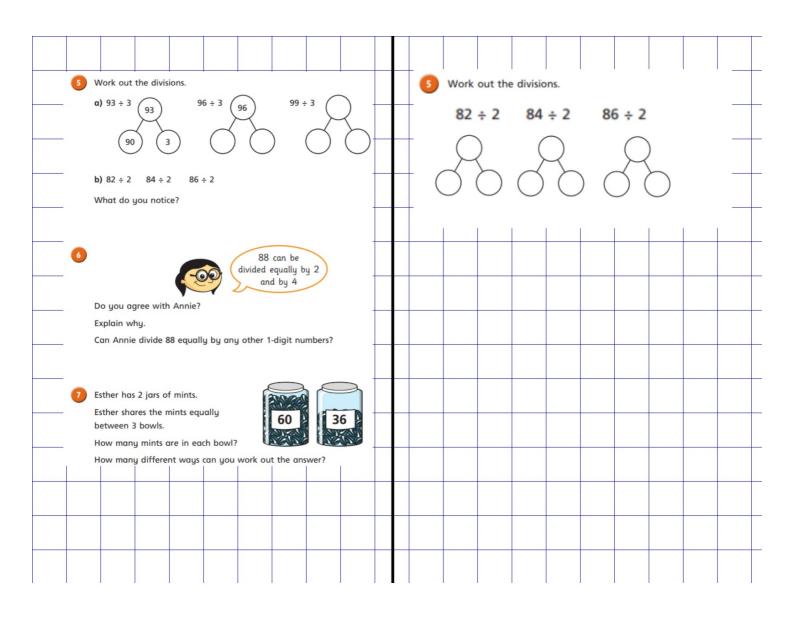
84 -	÷ 4 =	
Tens	Ones	
		10
		10 10



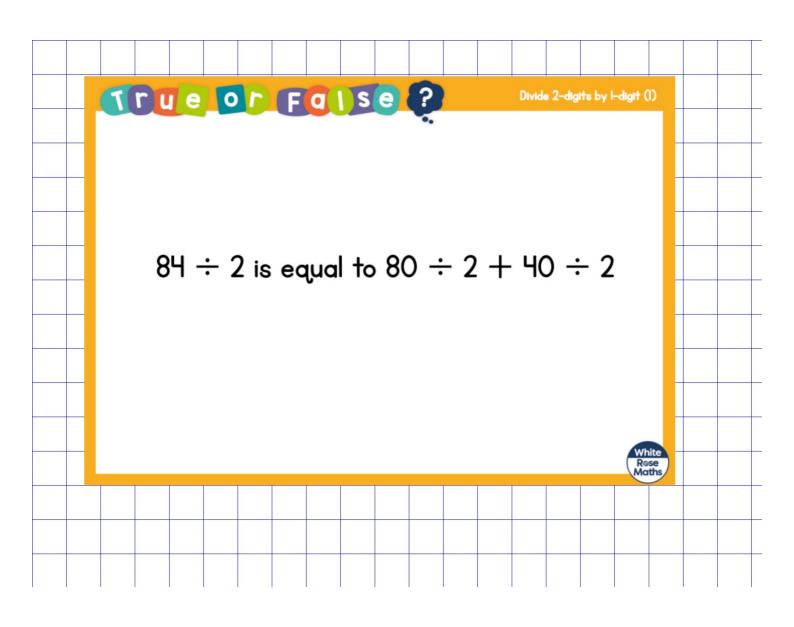


There are 84 pencils to be share	ed equally into 4 pots.	There are 55 pencils to be shared equally into 5 pots.
10 10 10		10 10 10 10 11 11
<ul> <li>a) Draw the pencils on the place they are shared.</li> </ul>	ce value chart to show how	a) Draw the pencils on the place value chart to show how they are shared.
Tens	Ones	Tens Ones
b) Complete the number senter		
8 tens ÷ 4 = tens	4 ones ÷ 4 = one	b) Complete the number sentences.
84 ÷ 4 =		5 tens ÷ 5 = ten 5 ones ÷ 5 = one
c) How many pencils are in		55 ÷ 5 =
_	o work out the calculations.	c) How many pencils are in each pot?
α) 39÷3	<b>b)</b> 68 ÷ 2	2 Use a place value chart to work out the calculations.
		a) 45 ÷ 5 b) 68 ÷ 2





Extension	
Teddy answers the question 44 ÷ 4 using place value counters.	
Tens Ones	
Is he correct?	
Explain your reasoning.	
Dora thinks that 88 sweets can be shared equally between eight people.	
Is she correct?	
Alex uses place value counters to help her calculate 63 ÷ 3	
Tens Ones  Ones	
She gets an answer of 12	
Is she correct?	



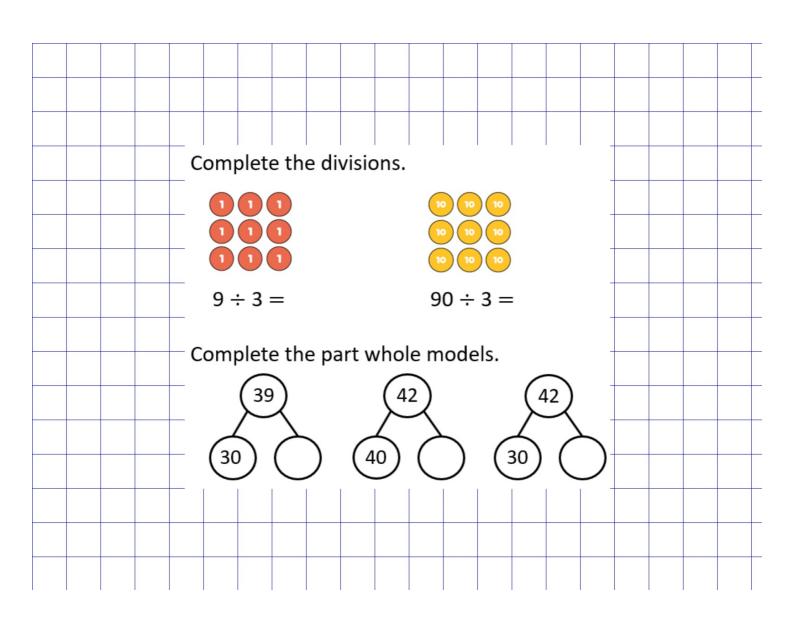
2	6	1	.2	2													
	0.	•															
		<u>LO</u> .	To di	vide b	y part	titionir	ıg.								]		
		l kr	row ho in excl	ow to hange	partiti betwe	on a r en ten	rumbe s and	ones.	h <sup>1</sup>								-
		_ I w	rdersta	and 1 i	nust p	artitio	n a n	umber	into r	nultipi	les of t	the div	isor.		]		1
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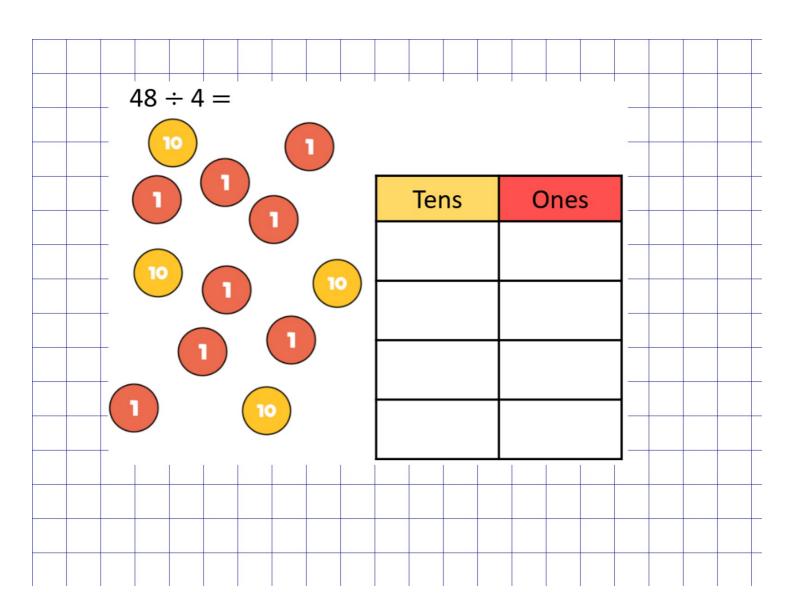
## Flashback 4

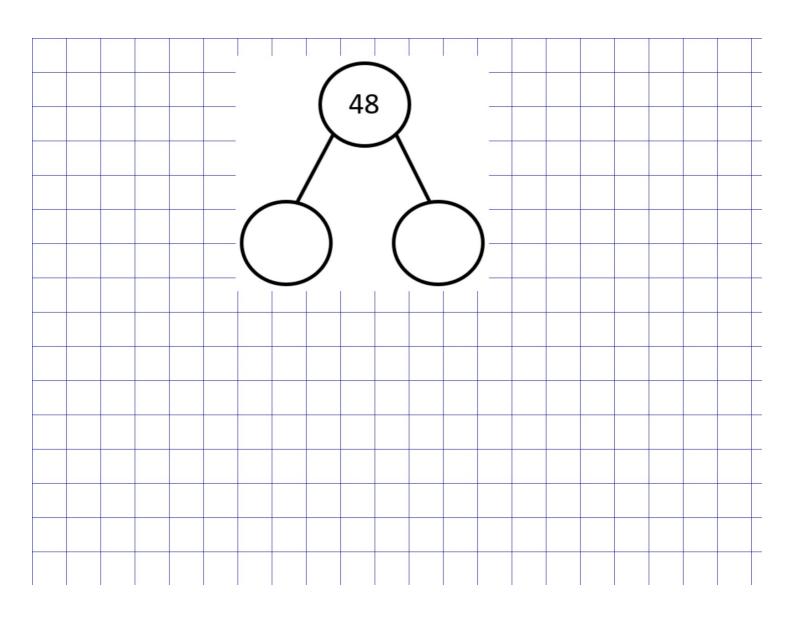
Year 3 | Week 3 | Day 2

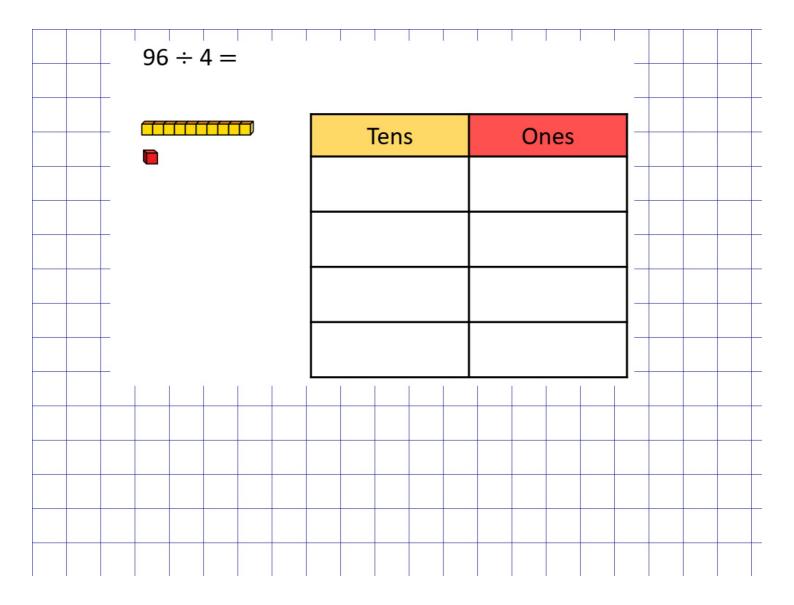
- 1) Work out 45 ÷ 4
- 2) Multiply 17 by 3
- 3) How many sides do 8 pentagons have?
- 4) What is 10 less than 309?

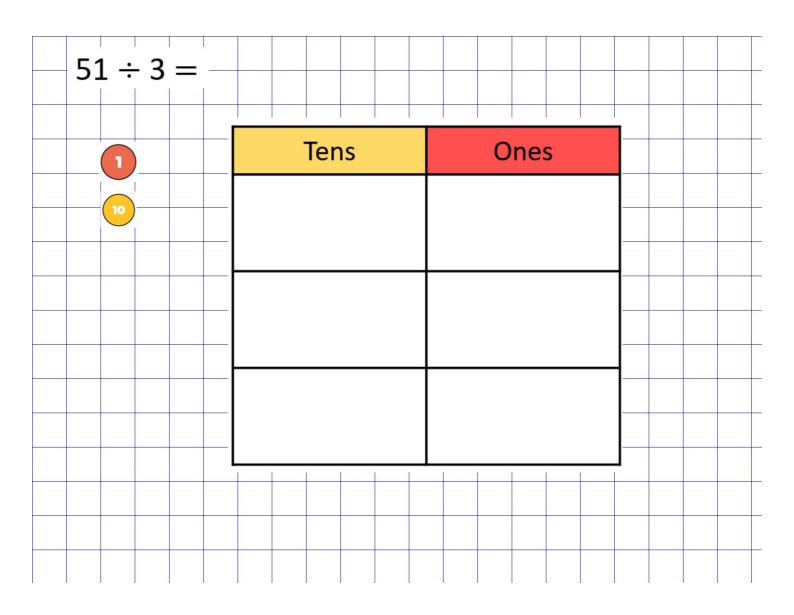


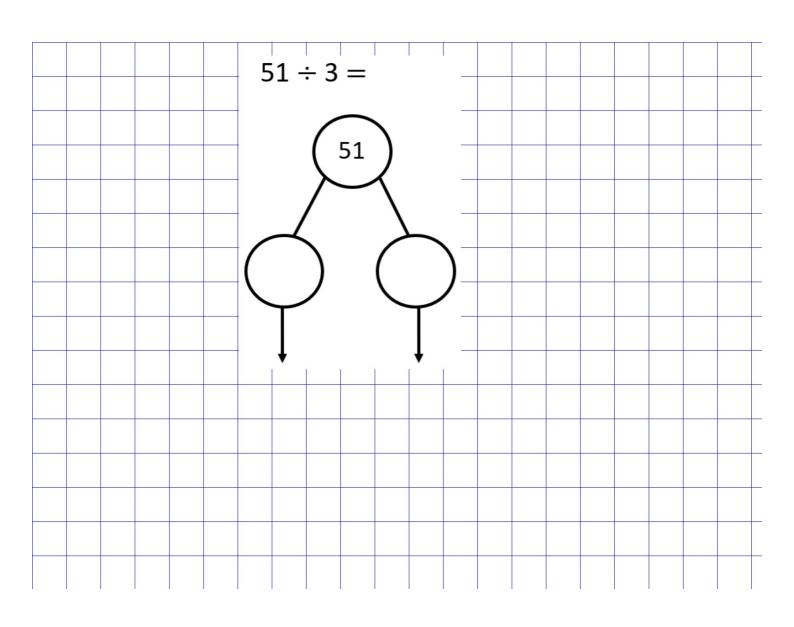


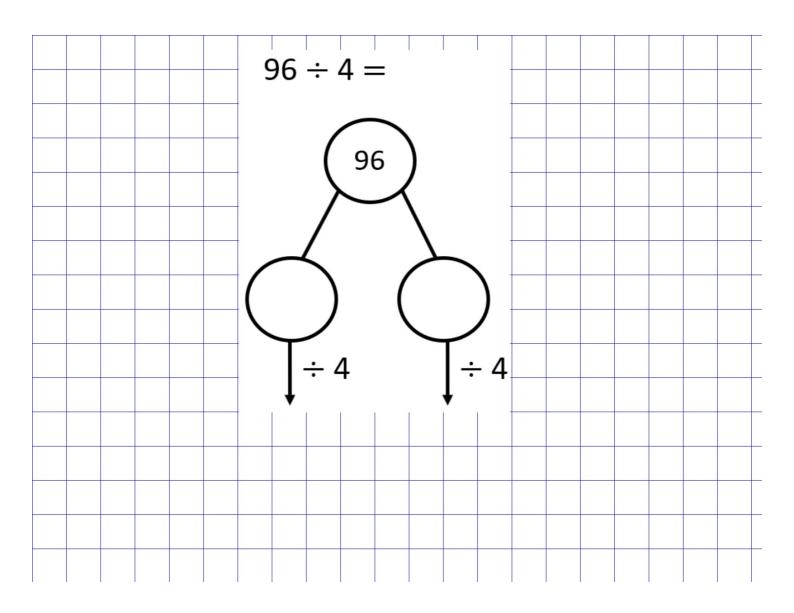




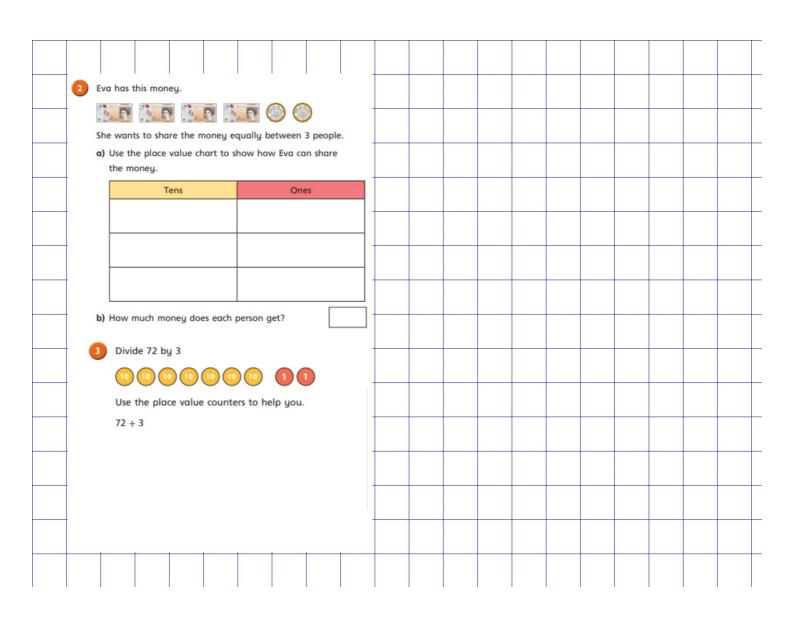


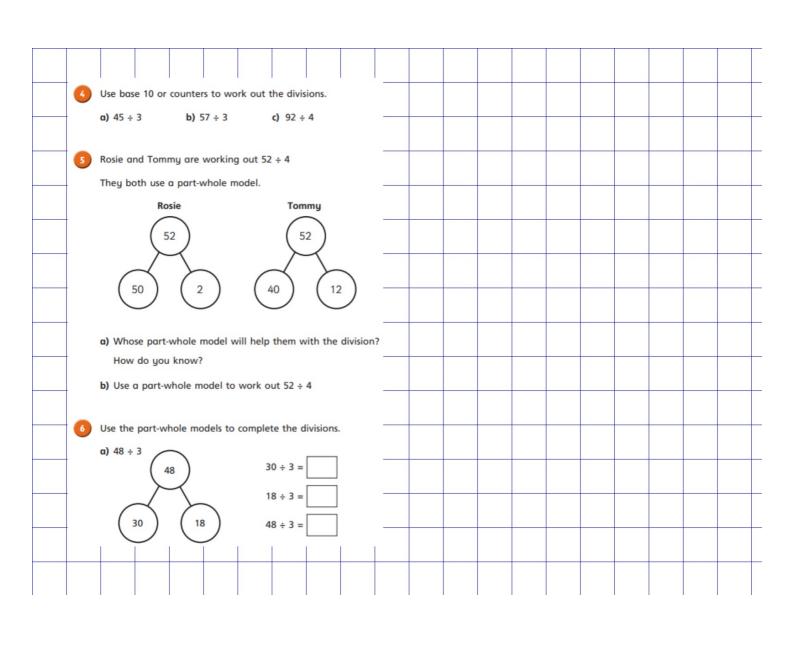






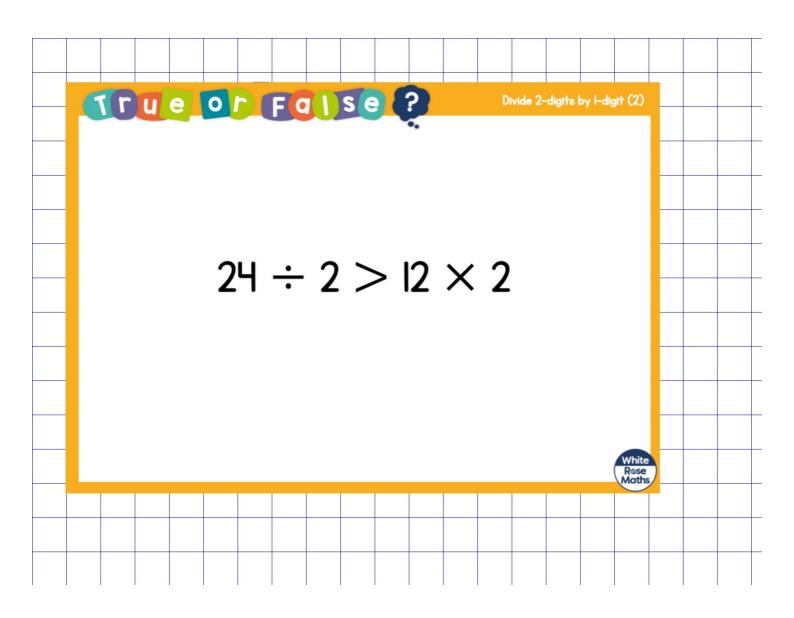
Rosie has 56 pencils.					
Rosie shares the 56 pencils eq	ually between 4 pots.				
— a) Draw base 10 on the place vo	lue grid to share the pencils.				
Tens	Ones				
		-			
_					+
_					-
_		-			
b) How many pencils are in ea	ch pot?				
c) Did you have to make an ex					
					+
					_
		1 1		1	I



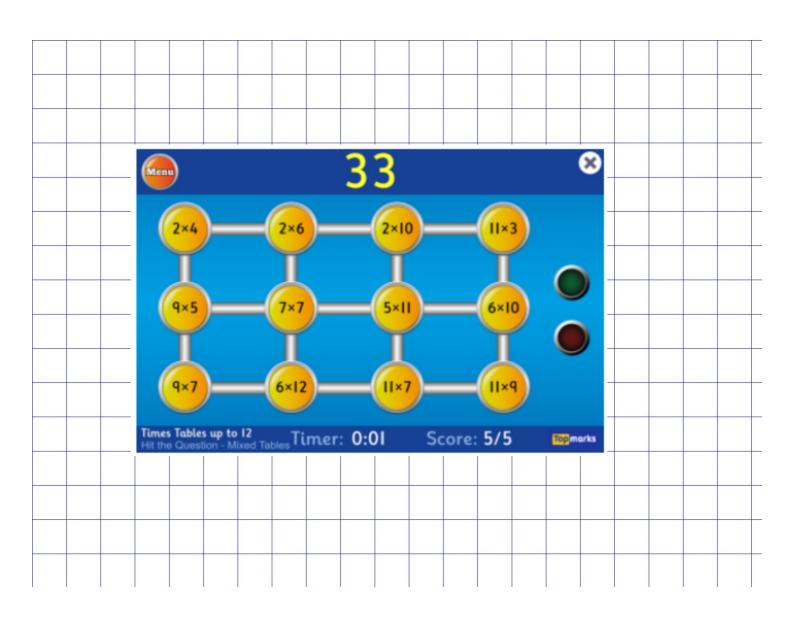


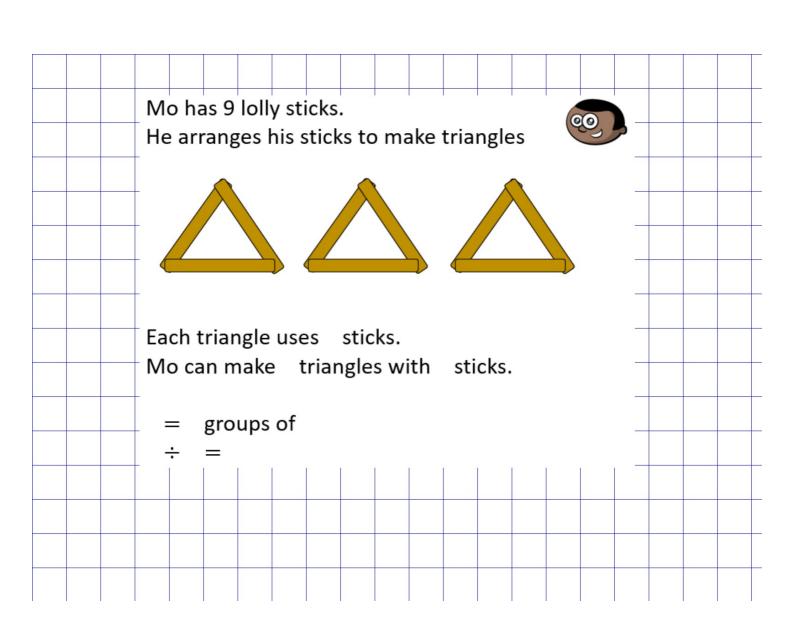
<b>b)</b> 96 ÷ 4	c) 65 ÷ 5		
96			
	-		
$ \cup$ $\cup$	d) 75 ÷ 3		
7 Here are 3 divisions.			
96 ÷ 8	96 ÷ 2		
a) What is the same about the quest	ons? What is different?		
<b>b)</b> Complete the divisions. 96 ÷ 8 96 ÷ 4	96 ÷ 2		
c) What do you notice? Talk about i	with a partner.		
		1 1 1	

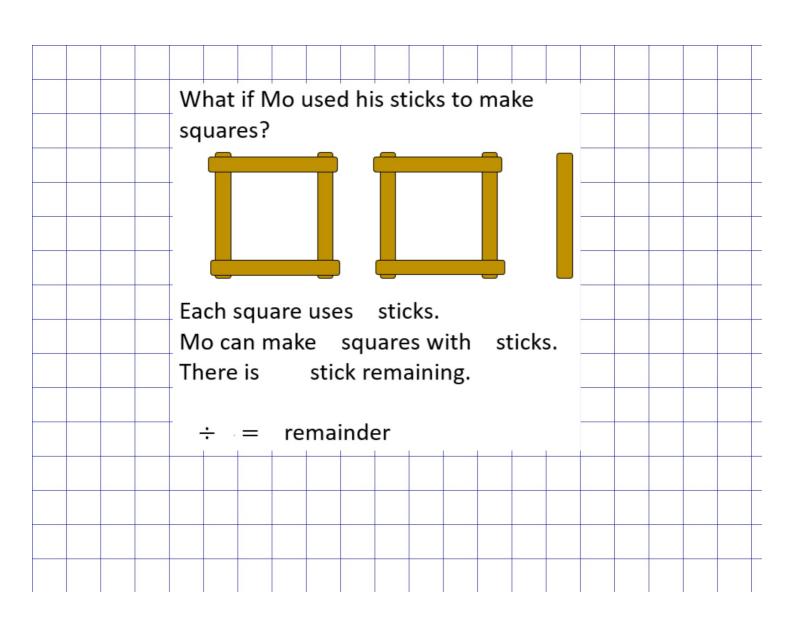
Extension					
Compare the statements using <, > or =	=				
48 ÷ 4  36 ÷ 3					
52 ÷ 4  42 ÷ 3					
60 ÷ 3  60 ÷ 4					
Amir partitioned a number to help him divide by 8					
Some of his working out has been covered with paint.					
What number could Amir have started with?					
÷ 8					
— <del>(16)</del> -					



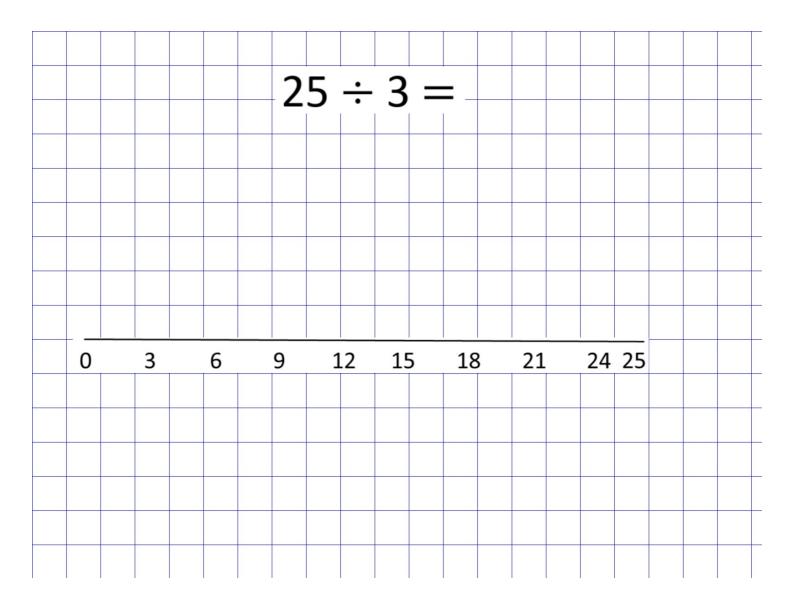
2	7.	1	.2	2											
		II.	To div												
		1 car	r make	a lin	k betv	reen d	ivisior	and	ed sub	tractio	on.			_	
		1 una	derstar	rd ho	w to re	ecord 1	remair	iders.							

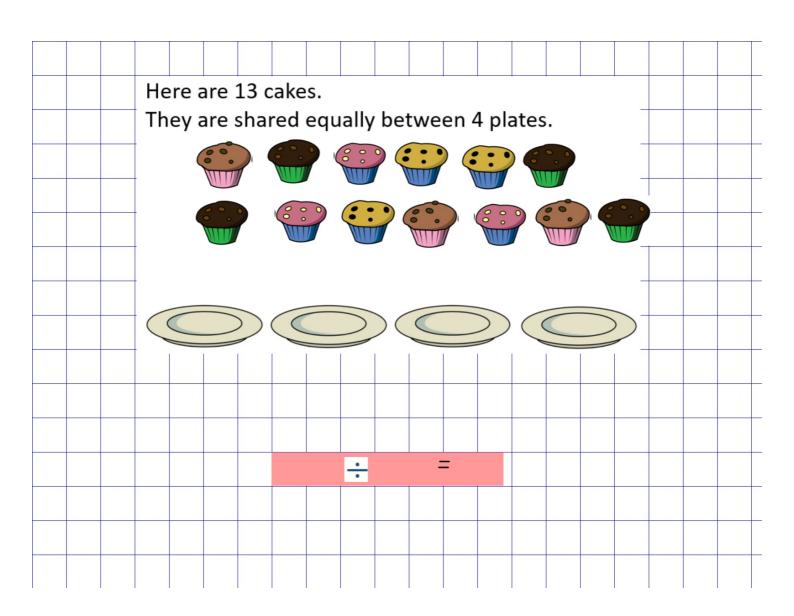






	vviiat	if Mo h	nas 1	.9 lo	lly s	stick	ζS.							
	How n	nany so	quar	es a	nd 1	tria	ngle	es c	ould	d he	ma	ke?	)	
	How n	nany st	icks	will	be	ren	nair	ning	ead	ch ti	me	?		
	trian	gles ar	nd	sticl	k re	mai	nin	g.		÷	=	=		
,	squa	res and	d st	ticks	s rei	mai	nin	g.		÷	=	=		
Use	a wt	riteboo	ird i	to o	lrav	w t	he	squ	iar	2.5 C	ınd	. tri	ang	les
													J	



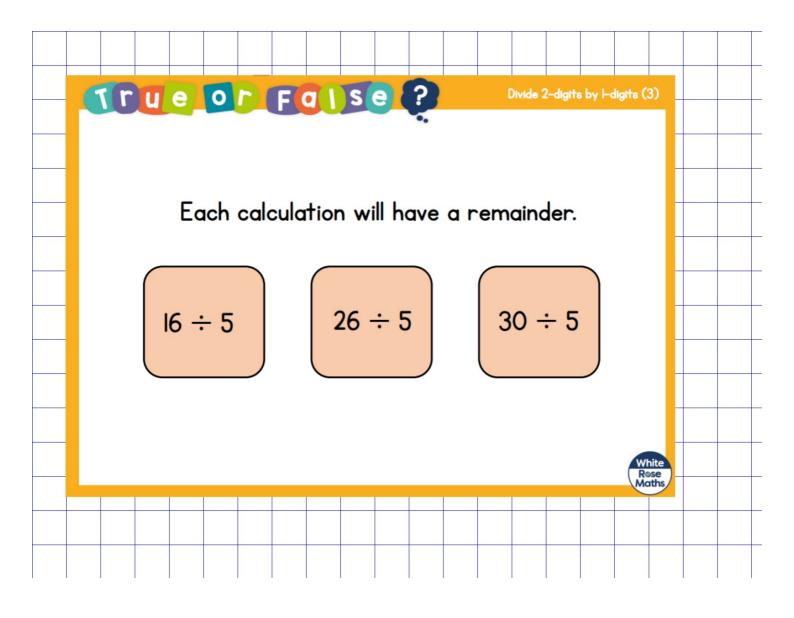


	73 ÷ 3 :	_
	Tens	Ones
10		

Mo has these lolly sticks.			
How many squares can Mo make?			
17 ÷ 4 = remainder			
Mo now uses the lolly sticks to make triangles.			
How many triangles can Mo make?			
17 ÷ 3 = remainder			
Finally, Mo uses the lolly sticks to make pentagons.			
How many pentagons can Mo make?			
17 ÷ 5 = remainder			
Use repeated subtraction to complete the divisions.			
Use number lines to help you.			
a) 23 ÷ 4 = remainder c) 23 ÷ 3 = remainder			
<b>b)</b> 23 ÷ 5 = remainder			

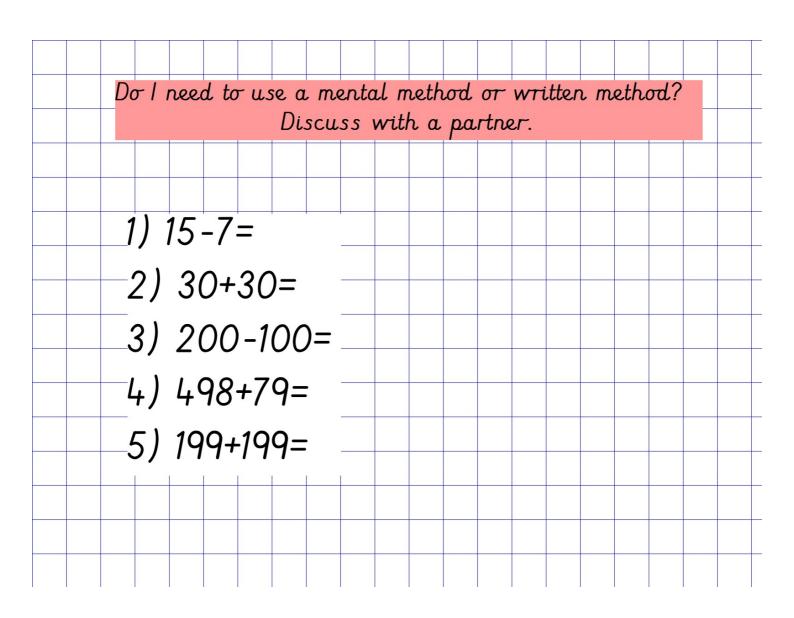
(5	Eva works out 34 ÷ 4				
	0 6 10 14 18 22 26 30 34				
	There is a remainder of 6				
	Is Eva correct?				
	How do you know?				
	Complete the calculations.				
	a) 29 ÷ = 4 remainder 5 c) 29 ÷ = 14 remainder 1				
	<b>b)</b> 29 ÷ = 4 remainder 1				
	-				
	How do you know there is no remainder when 75 is divided by 5?				
	Without doing the division, what is the remainder when 76 is divided by 5?				
	Use place value counters and a place value chart to work out the – divisions.				
	<b>a)</b> 87 ÷ 10 <b>b)</b> 77 ÷ 2 <b>c)</b> 74 ÷ 5				
•	Teddy has fewer than 60 marbles but more than 40				
	When he shares them equally into 3 pots he has no remainders.				
	When he shares them equally into 4 pots he has remainder 3				
	When he shares them equally into 5 pots he has remainder 1 —				
1	How many marbles could Teddy have?				

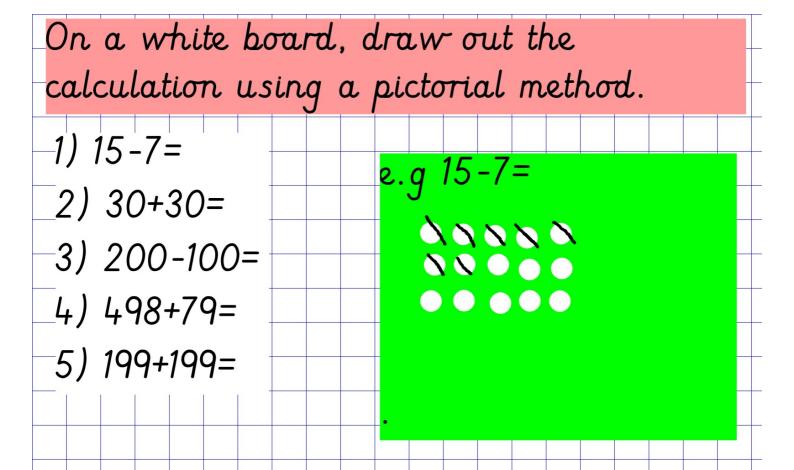
Extension					
Which calculation is the odd one out?					
Explain your thinking.					
64 ÷ 8 77 ÷ 4					
49 ÷ 6 65 ÷ 3					
Jack has 15 stickers.					
Malayalayalayalaya					
He sorts his stickers into equal groups but has some stickers remaining.					
How many stickers could be in each group and how many stickers would be					
remaining?  Dora and Eva are planting bulbs.					
They have 76 bulbs altogether.					
Dora plants her bulbs in rows of 8 and has 4 left over.					
Eva plants her bulbs in rows of 10 and has 2 left over.					
How many bulbs do they each have?					

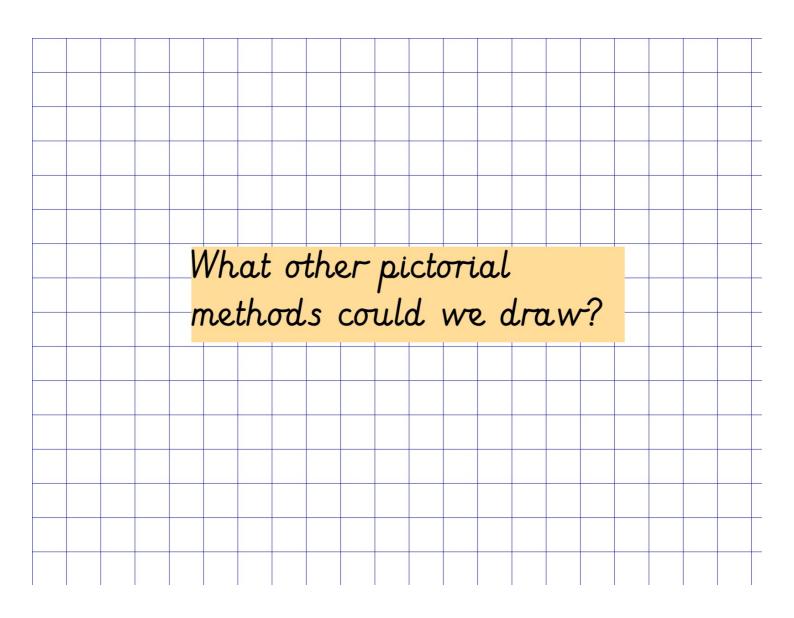


_	0	1	0	0															
<u>2</u>	8.	1	<u>. Z</u>	<u>Z</u>															
10	<i>T</i>		- 11		1 CI	· .		11 1	r	11:1	ı.		L1	1.					
								thod	-			ana	subi	racti	on.				
1 kn	ow v	vhen	1 ca	n coi	mple	te a	calcı	ılatio	m ma	ental	ly.								
l ca	r dro	ıw a	ran	ge of	pic	toria	l repi	resen	tatio	ns.									
			,	, -	,		,				,		~ ~ ~						
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	aersi	ana	how	pict	orial	. met	hods	help	ne me	to cr	reck	my	ansv	vers.	1	1	1	I	1
	aersi	ana	now	pict	orial	. met	hods	help	2 me	to ch	reck	my	ansv	vers.					
	aersi	ana	now	pict	orial	met	hods	help	r me	to ch	reck	my	ansv	vers.					
	aersi	ana	now	pict	orial	met	hods	help	o me	to ch	reck	my	ansv	vers.					
	aersi	ana	now	pict	orial	met	hods	help	2 me	to cr	reck	my	ansv	vers.					
	aersi	ana	now	- pict	orial	, met	hods	help	2 me	to ch	reck	my	ansv	vers.					
	aersi	ana	now	pict	orial	. met	hods	help	) me	to cr	reck	my	ansv	vers.					
	aersi	ana	now	pict	orial	. met	hods	help	1 me	to ch	reck	my	ansv	vers.					
	aersi	ana	now	- pict	orial	. met	hods	help	) me	to ch	reck	my	ansv	vers.					
	aersi	ana	now	- pict	corial	met	hods	help	1 me	to cr	reck	my	ansv	vers.					
	aersi	ana	now	pict	corial	met	hods	help	) me	to cr	reck	my	ansv	vers.					
	aersi	ana	now	pict	rorial	met	hods	help	) me	to ch	reck	my	ansv	vers.					



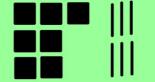






For each question you will need to choose if you can do it mentally or using a column method.

You will also need to draw a pictorial representation for each question.



762

-324

a) 225+75=	a) 15+15=
<b>b</b> ) 364+36=	b) 34+36=
c) 587-63=	c) 27-13=
d) 786-293=	d) 37-26=
e) 453-399=	e) 43-12=
f) 281+290=	f) 31+29=
g) 311-109=	g) 21-9=
h)539+261=	h)34+7=
i)299+487=	i)29+5=
i)633-366=	i)33-16=

[		Extonsion
Extension		<u>Extension</u>
Always, sometimes, never	True or false?	Daliceine mumbers
	Are these number	Missing numbers Fill in the missing
Is it always, sometimes or	sentences true or	
never true that if you	false?597 + 7 = 614	numbers (using a range of practical resources to
subtract a multiple of 10 from any number the units	804 – 70 = 744	support)
digit of that number stays	768 + 140 = 908	12 + <b>=</b> 19
the same.	Give your reasons.	20 - = 3
Is it always, sometimes or		
never true that when you		
add two numbers together		Missing symbols
you will get an even		Write the missing
number		symbols ( + - =) in these
Convince me		number sentences:
		17 3 20
+  +		18 20 2
The total is 201		
Each missing digit is		
either a 9 or a 1. Write		
n the missing digits.		
s there only one way of		
doing this or lots of		
ways?		
Convince me		
		<b>"</b>