Year 1 - 6

n Color (1877) - 1879 - 1879 - 1889 -



14 pannoù Notenno

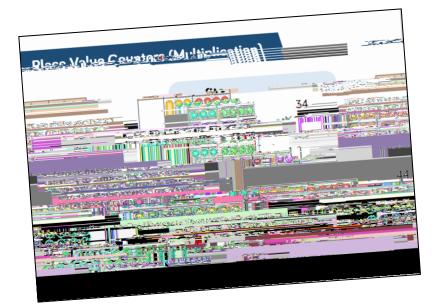
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Saly Istica Rolina

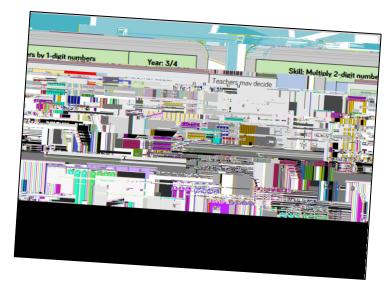
subtraction, and multiplication and division.

Atthnessinterectors in the sene werter at the sene werter werter the sene at t

າດວາມເລຍີ່ເຊື້ອງຊີ່ອາດາດເຮັດໃດລາວເຊື້ອງການແຊະອາດ



Each operation is then broken down into skills and each skill has a dedicated page showing the different models and images that could be used to effectively teach that concept.



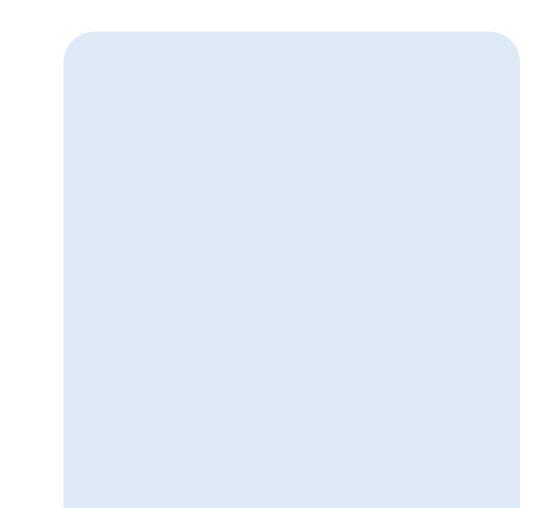
There is an overview of skills linked to year groups

. In this case the constraint of the constraint of the ϵ -

Bar Model











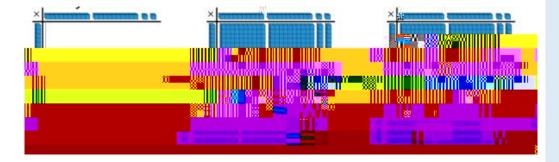
Nember Linca (Intellad)-



Number Lines (blank)







Benefits

children's understanding of column multiplication. It is

ninerside the onview set no they one see how they

As numbers become larger in multiplication or the <u>menune property in the second property in the second property</u> <u>how many of exchanges needed</u>

Rase 10 also supports the area model of multiplication well. Ckil the massion and an analysis of the second second

This area model

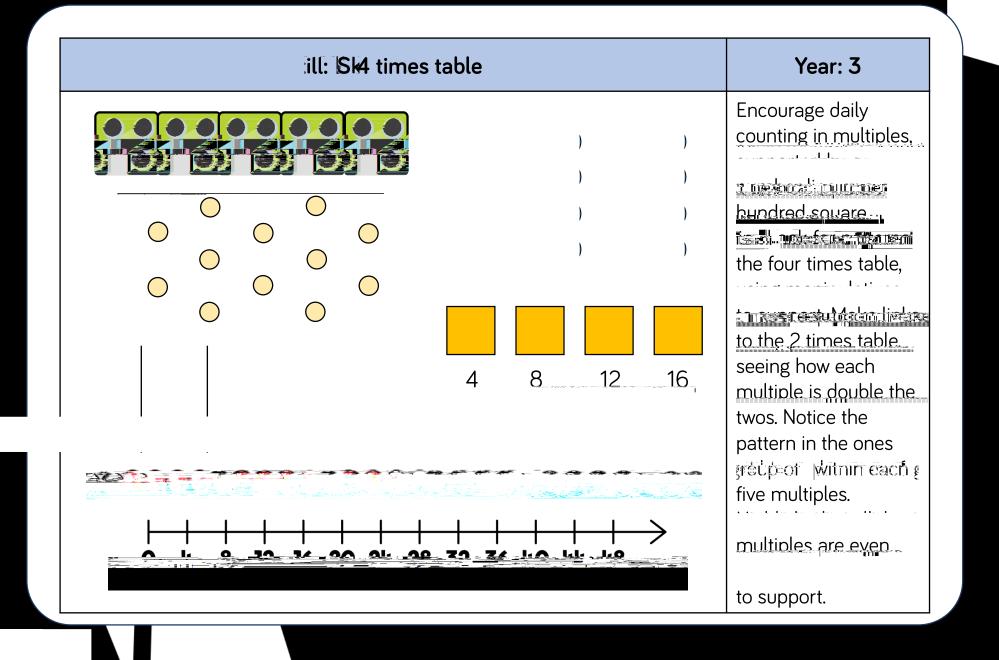


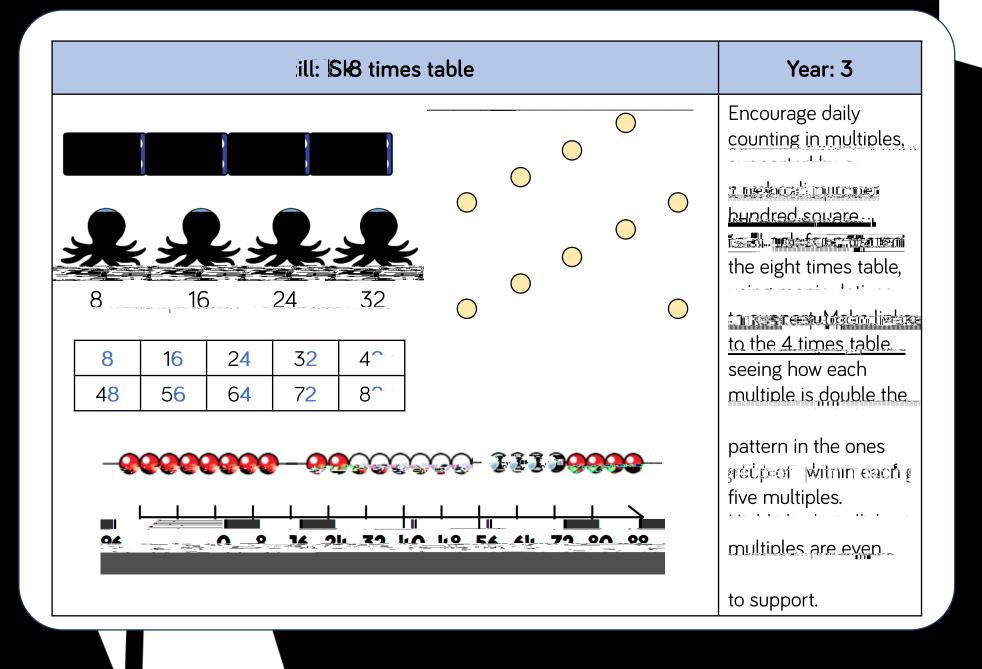
Skill	Year	Basegoosenticu	
<u>mentionand</u> <u>multiplication and</u> division facts for the	2	Bar model jabeși: Numperis	Bead strings Number lines
2-times table		Money	Everyday objects
<u>mentionand</u> <u>multiplication and</u> division facts for the	2	Bar model japeš::Numperis(Bead strings Number lines
5-times table		Money	Everyday objects
<u>melliplication and</u> <u>multiplication and</u>	2	Hundred souare Japes Summeris	Bead strings Number lines
10-times table		Money	Base 10

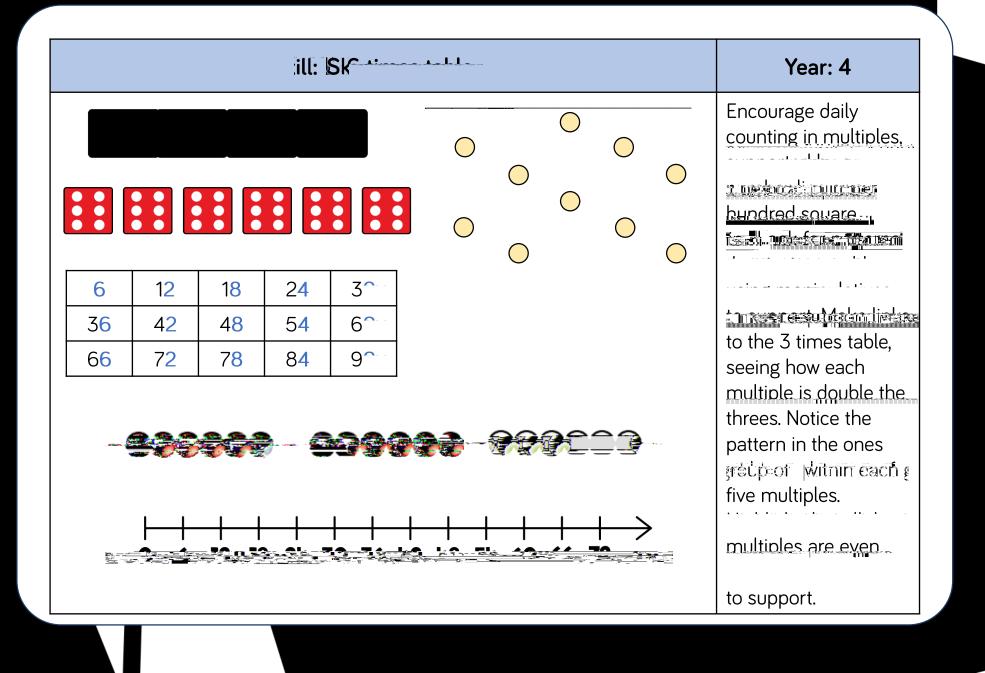
Skill	Year	Bracepocsentico	
The Hand use multiplication and division facts for the 7-times table	4	Hundred souare Jabes Summeris	Bead strings Number lines
Se Kand use multiplication and division facts for the 9-times table	4	Hundred souere Jaces: Sumperis	Bead strings Number lines
Meridian factor for the Minister factor for the 11-times table	4	Hundred square Base 10	Place value counters Number lines
Merikand use multiplication and division facts for the 12-times table	4	Hundred square Base 10	Place value counters Number lines

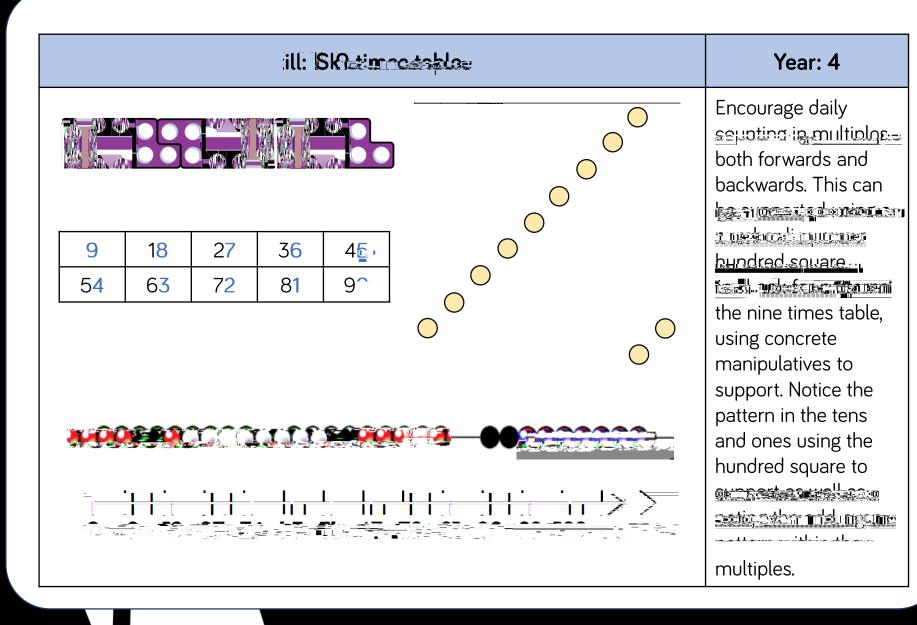


ill: Sk10 times table.	Kerr:/Pi
	Encourage daily sepating is multiples both forwards and backwards. This can backwards. This can backwards. This can backwards. This can
	n times table, [the tel using concrete manipulatives to support. Notice the pattern in the digits- the ones are always 0, and the tens increase by 1 ten each time.

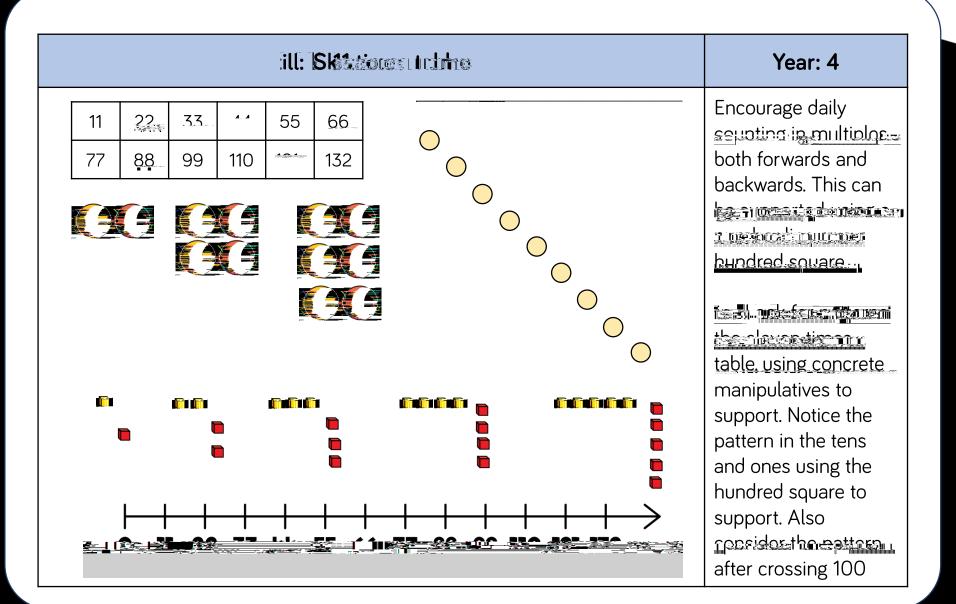


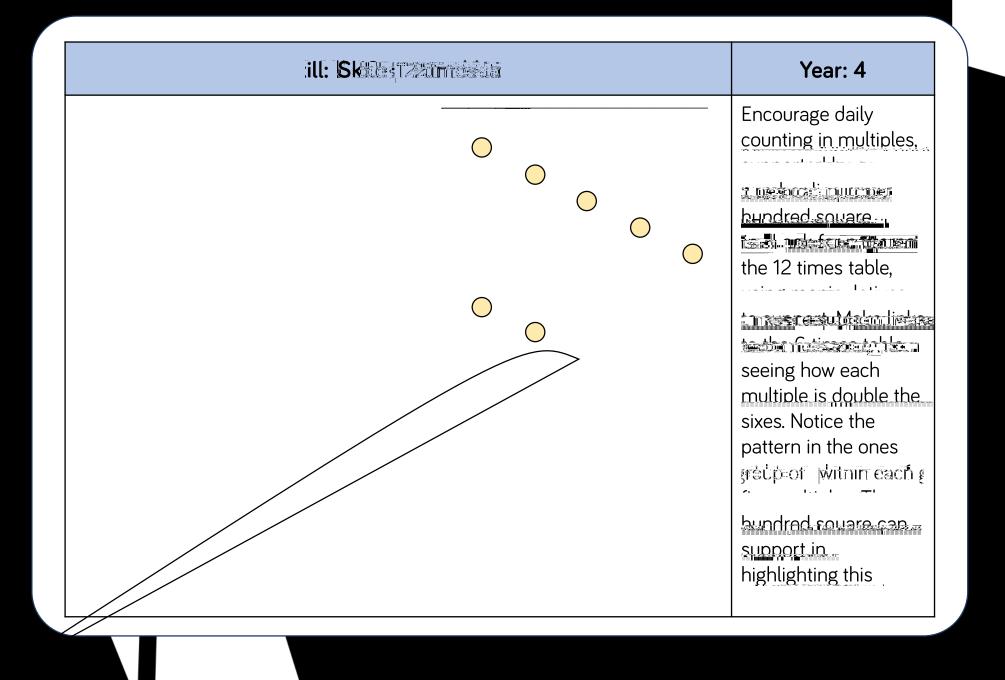






ill: Sk	Year: 4
	Encourage daily sepating is multiplace both forwards and backwards, supported by a number line or a <u>bundred.souare</u>

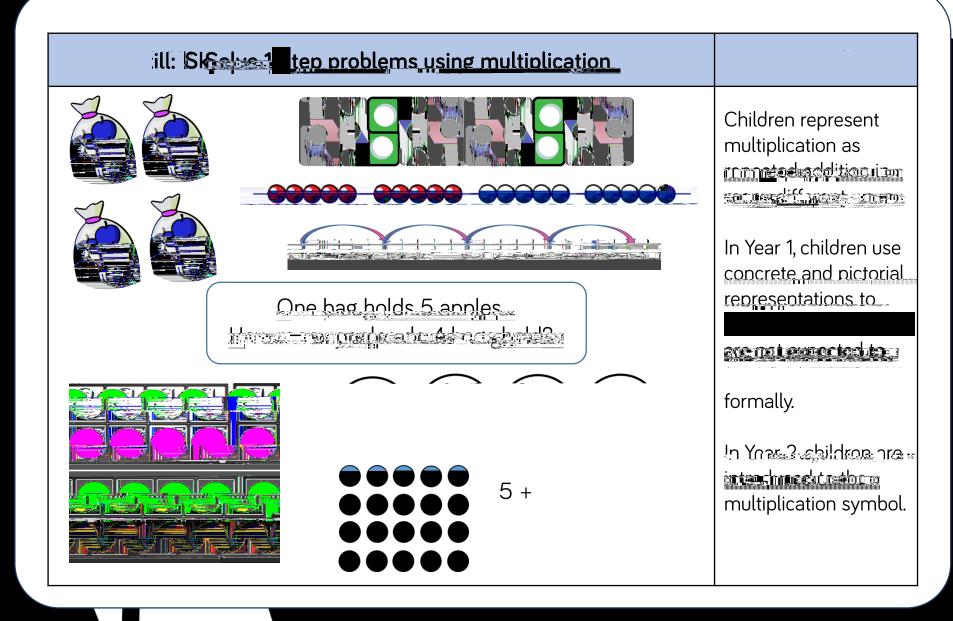






Skill	Year	Baseposentia	D 3n
Solve one-step ecolorsec ith p p. cell prime a	1/2	Bar model jabeși: Nujmperis(Pood atriage Number lipes
<u>Multinly 2</u> -digit by 1-	3/4	Base 10	Shoot with possible de
-digit by 1-	4	Burcelmess-Mater	Sport with recordende
-digit by 1-	5	Place value counters .	Sport with proceedings

Skill	Year	Brazgoosenticutan	
Multinly	5	Bue counces - Shoot with councelends Grid method	
Multiply 2- <u>diaithya</u> a	5	Blue councileado Grid method	
Multinly 2-digit <u>by 4-</u>	5/6	formaivatien reinat	



ill: Sk 0 н т 3 4 × 5 (5×4) 2 0 <u>4 ×</u> 5 = 170 Hundreds Tens Ones æ

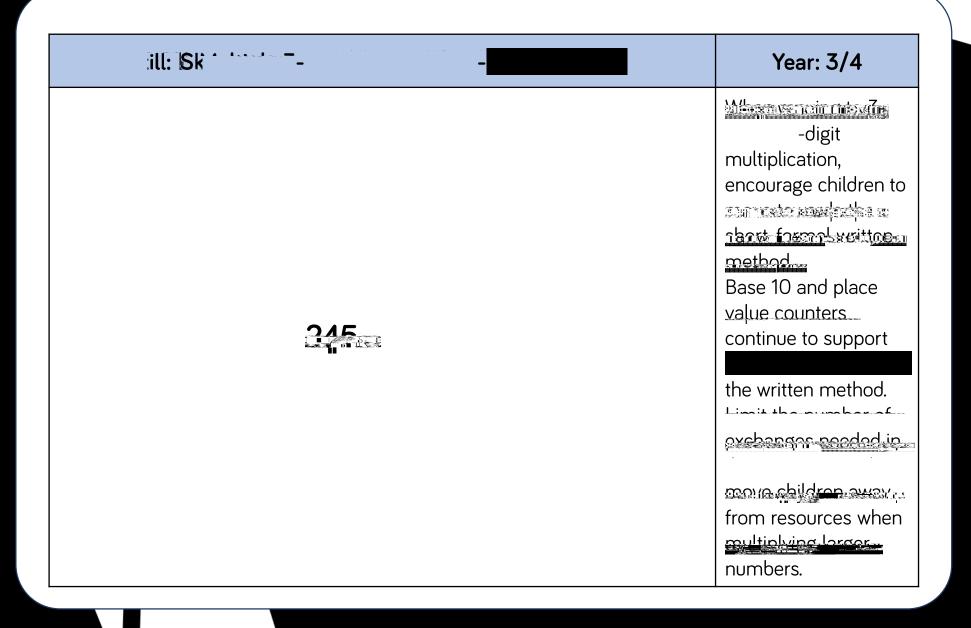
Year: 3/4

Teachers may decide to first look at the

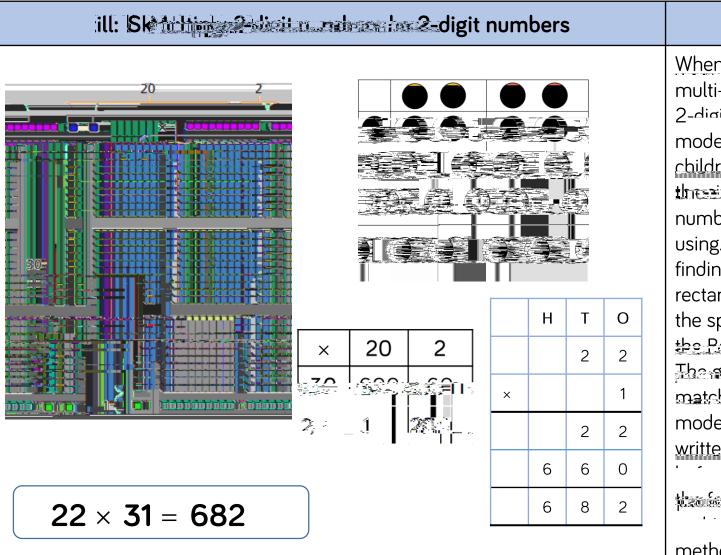
method before <u>moving on to the</u> short multiplication method

The place value

understanding of the method rather than supporting the multiplication, as children should use







STYSETH

When multiplying a multi-hait sender diss 2-diaite use the area model to help children understand thereinestaa numbers they are using. This links to finding the area of a rectangle by finding the space covered by the Parn 1Q The wid prothad matches the area model as an initial written method

tim for the second s

method.

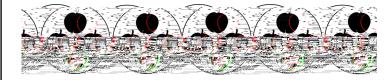
ill: SkMultiply 4-disitate and an 2-Year: 5/6 -digits, children should be confident in the written method. If they are still struggling with times tables, provide multiplication grids to support when they are transming and the conteners of the c use of the method. Consider where <u>askrost järnom</u> alaged and make 28 =

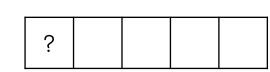


Skill	Year	Brazprosenticutan	
Divide 2-digits by 1- <u>stated reiseantida</u> remainders)	3/4	Strauren Base 10 Bar model	<u>Place value counters</u> Part-whole model
Divide 2-digits by 1- <u>digit (grauning).</u>	4/5	Place value counters .	Place Make side Written brots din page
<u>Dividents digits bv 1</u> - <u>sticistat na wanidnis</u> exchange)	4	Base 10 Bar model	Place value counters

Skill	Year	Brazpresentiouen	
Divide 4-digits by 1- <u>digit (grauning).</u>	5	Place value counters Place value counters Mainte Side Written Crystein Sao:	
Divide multi- 2-digits (short division)	6	VAluitte ali isian	
Divide multi-digits by 2-digits (long division)	6	<u>Written long division</u> List of multiples	

ill: Skfelve 1- and a state full said a strate and a state of the stat





They are shored enuglished between 5 have How many apples are in each bag?

.

 $20 \div 5 = 4$

fishverednous

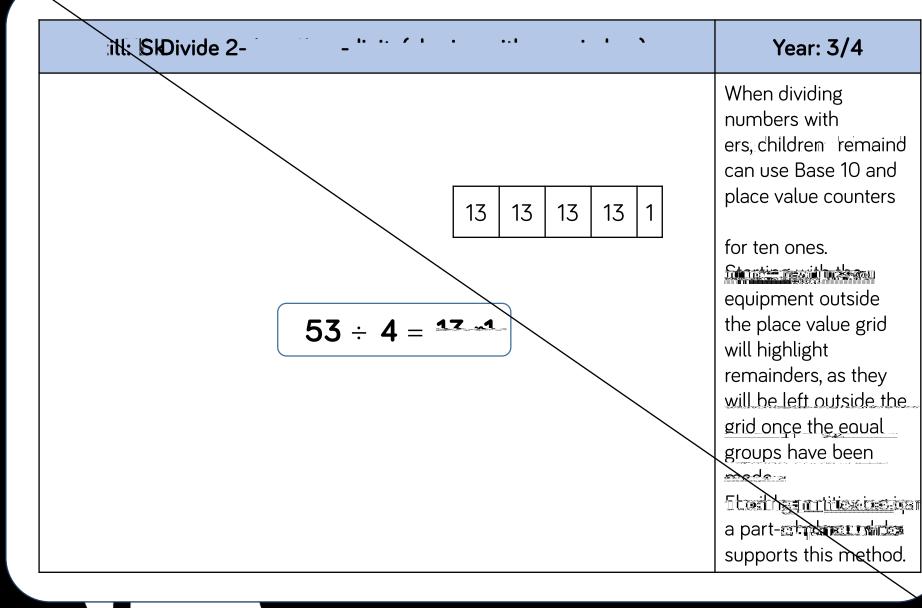
amounts into equal ...

In Year 1, children use concrete and pictorial representations to

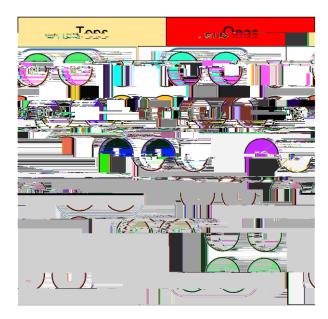
are not expected to record division formally.

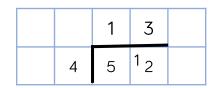
ill: Standard step problems using division (grouping)	
El: marti - harro fi How many harro are there?	Advantations and a cuping in the current of the construction on a number line. The construction on a number line. The construction constructs: Market of the current constructs in the current frequencies which between multiplication and

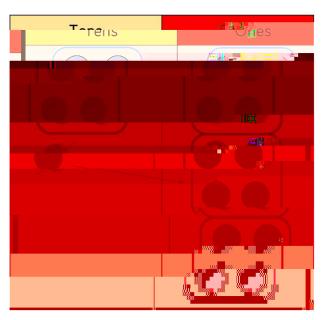
ill: SkDivide 2	Year: 3/4
$52 \div 4 =$	 When dividing numbers involving an exchange, children can use Base 10 and place value counters for ten ones. for ten ones. Children should start with the equipment gutaide the place Ones equally between the rows. Supports this method.



ill: SkDivide 2-







Year: 4/5

When wing the abort in Nision membor," Ju children use grouping.

Language is important here.

my/considentaweng sectance⁴4tannaong weimate²acc²±cov,

ones can we make?'

Remainders can also be seen as they are left ungrouped.

ill: SkDivide 3-STYSERS to use grouping to support their understanding of rh<u>snadiudriaaan hanar</u> dividing a 3-digit مرجا حمر ، مر Rlace value counters . be used on a place railie erio to si poorti v thia understandios Children con ales draw their own counters and group \div 4 = **1** ilizanna dheeugh armazze sinterial mothed

ill: SkDivide 4-Th н т 0 2 4 1 2 5 8 **8,532.** € 2 = 4,266

<u>5" (2676</u>

Rlace value counters

be used on a place <u>aute grid to support w</u> children to divide 4digits by 1-digit.

draw their own counters and group them through a more sinterial months of a

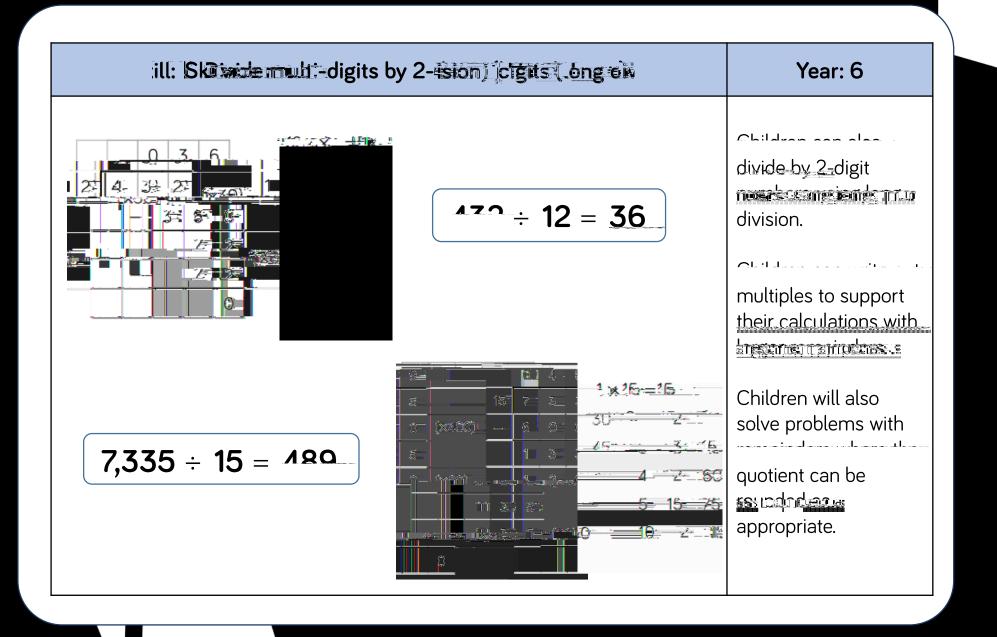
6

6

12

Children should be <u>away from the</u> concrete and pictorial <u>whendividinan</u> numbers with multiple exchanges.





Glossary

Array – * L. J. II. I. C. I

Commutative – Naperseen deman piebular in any order.