

Woodland Academy Trust Year 5 and Year 6 Calculation Document

Updated September 2021

Progression in the use of manipulatives to support learning (How we support children's concrete understanding of maths)								
Foundation	Year 1	Year 2	Year 2 Year 3 Year 4 Year 5 Year 6					
Real-life objects	Real-life objects	Mini-whiteboards	Mini-whiteboards	Mini-whiteboards	Mini-whiteboards	Mini-whiteboards		
0 – 9 digit cards	0 – 9 digit cards	Place value cards			Protractors	Protractors		
Number track/line to	Number line to 20 and	Number line to 100	Number line to 100	Number line including	Number line including	Number line including		
20	50			negative numbers	negative numbers	negative numbers		
Meter/Counting stick	Meter/Counting stick	Meter/Counting stick	Meter/Counting stick	Meter/Counting stick	Meter/Counting stick	Meter/Counting stick		
		Transparent rulers	Transparent rulers	Transparent rulers	Transparent rulers	Transparent rulers		
Tens frame	Tens frame and hundred	Tens frame and	Tens frame and	Tens frame and	Tens frame and	Tens frame and		
	square	hundred square	hundred square	hundred square	hundred square	hundred square		
Building blocks	Place value charts – Tens	Place value charts –	Place value charts –	Place value charts –	Place value charts to a	Place value charts to 10		
	and ones	Ones to hundreds	Ones to Thousands	Ones to Ten thousands	million and three	million and three		
		decimal places decimal places						
Containers that are	Containers that are	Fraction bars, walls, circles (centralised storage)						
different shapes and	different shapes and							
sizes	sizes		1	1	1	1		
Numicon shapes	Numicon shapes/ Dienes	Dienes	Dienes	Dienes	Dienes	Dienes		
Sorting hoops	Sorting hoops	Sorting hoops	Place value counters	Place value counters	Place value counters	Place value counters		
Big Dice	Place value arrow cards	Place value arrow cards	Place value arrow cards	Place value arrow cards	Place value arrow cards	Place value arrow cards		
	 tens and ones 	 tens and ones 	– H, T, O	– H, T, O				
Part-part-whole mat	Part-part-whole mat	Part-part-whole mat	Part-part-whole model	Part-part-whole model	Part-part-whole model	Part-part-whole model		
Transparent counters	Transparent counters	Transparent counters	Transparent counters	Transparent counters	Transparent counters	Transparent counters		
Bar model with real-	Bar model pictorial	Bar model with	Plastic mirrors	Plastic mirrors	Plastic mirrors	Plastic mirrors		
life objects	objects/ representative	counters /Dienes						
	objects e.g. counters	progressing to numbers						
Bead strings – ten	Bead strings –	Bead strings - hundred	Bead strings - hundred	Bead strings - hundred	Bead strings - hundred	Bead strings - hundred		
	twenty/fifty							
Dice	Dice	Dice	Dice	Dice	Dice	Dice		
Cuisenaire rods	Cuisenaire rods	Cuisenaire rods	Cuisenaire rods	Cuisenaire rods	Cuisenaire rods	Cuisenaire rods		
Double sided counters	Double sided counters	Double sided counters	Double sided counters	Double sided counters	Double sided counters	Double sided counters		
Multilink – use one	Multilink – use one	Multilink – use one	Multilink – use one	Multilink – use one	Multilink – use one	Multilink – use one		
colour to model an	colour to model an	colour to model an	colour to model an	colour to model an	colour to model an	colour to model an		
amount	amount	amount	amount	amount	amount	amount		
	Maths balances			Weighir	ng scales			
		Solid geor	metric shapes (centralised	storage)				
		Coins	and notes (centralised sto	rage)				
Clock (geared) (centralised storage)								

Maths Working Wall (H	low we use displays to support children's understanding of math	nematical concepts)
Build it	Where possible use a real-life/concrete representation of the concept, which children can see, touch and feel.	
Draw it	Show a pictorial representation of the concept.	
Solve it	Show a worked example with success criteria to represent the mathematical concept.	6 x 2 = 12 2 x 6 = 12 12 ÷ 2 = 6 12 ÷ 6 = 2 Factors of 12 are: 1, 2, 3, 4, 6 and 12
Practise it	Encourage children to practice the concept. Interactive opportunity – ask children to respond to questions, encourage them to add what they know, leave homework for children to take to master the concept.	$1 \times 2 = 2$ $2 \times 2 = 4$ $3 \times 2 = 6$ etc.
Challenge it	Set a open-ended challenge to be solved. Interactive opportunity – leave real-life objects or manipulatives for children to use to help solve the challenge.	How many different ways can 12 eggs be arranged into arrays? What if you try 24 eggs?
Say it	Display and refer to the vocabulary related to the concept.	Multiply, multiplication , repeated addition, array, divide, group, multiples, factors

Classroom visual prompts (How we represent maths to the children pictorially)						
Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Big focus 10	Big focus 20	Big focus 100				
Place Value Chart	Place Value Chart	Place Value Chart	Place Value Chart	Place Value Chart	Place Value Chart	Place Value Chart
10	20	100	Th- tenths	Tth- Hundredths	M- Thousandths	M- Thousandths
Numicon number line	Numicon number line	Fractions number line	Fractions number line	Fractions and decimals	Fractions, decimals	Fractions, decimals
with Numicon shapes	with Numicon shapes			number line	and percentages	and percentages
					number line	number line
Odd and even	Odd and even	Odd and even	Factors and multiples	Factors and multiples	Factors, prime and	Number properties
numbers	numbers	numbers			composite numbers	
	Number bonds to 10	Number bonds to 10	Number bonds to 10			
	Number bonds to 20	Multiples of 10	Multiples of 10			
		totalling 100	totalling 100			
0 – 20 number line /	0 -50 number line	0 – 100 number line	Number line to 100	Number line including	Number line including	Number line including
track				negative numbers	negative numbers	negative numbers
	100 square	100 square	100 square	100 square	100 square	100 square
Number names from 0	Number names of	Number names from 0	Number names from 0	Number names to	Number names to one	Number names to
- 10	multiples of 10	- 100	- 1000	hundred thousands	million	million
Real coins and	Real coins and	Real coins and	Real coins and	Real coins and	Real coins and	Real coins and
Large coins	Large coins	Large coins	Large coins	Large coins	Large coins	Large coins
Counting in 1s and 2s	2, 5 and 10	2, 4 and 8	3, 6 and 12	7, 9 and 11	All multiplication	All multiplication
	multiplication tables	multiplication tables	multiplication tables	multiplication tables	tables up to 12 x 12	tables up to 12 x 12
				All multiplication		
				tables up to 12 x 12		
Counting in 1s and 2s	2, 5 and 10	2, 4 and 8	3, 6 and 12	All multiplication table	All multiplication table	All multiplication table
multiplication table	multiplication table	multiplication table	multiplication table	patterns and	patterns and	patterns and
patterns and	patterns and	patterns and	patterns and	divisibility rules	divisibility rules	divisibility rules
divisibility rules and	divisibility rules and	divisibility rules and	divisibility rules and	Connections between	Connections between	Connections between
connections.	connections. Display	connections. Display	connections. Display	5/10, 3/6/12, 2/4/8	5/10, 3/6/12, 2/4/8	5/10, 3/6/12, 2/4/8
	after introducing the	after introducing the	after introducing the	Also focus on 1, 7, 9	Also focus on 1, 7, 9	Also focus on 1, 7, 9
	times tables to the	times tables to the	times tables to the	and 0 multiplication	and 0 multiplication	and 0 multiplication
	children.	children.	children.	table.	table. Square and cube	table. Square and cube
					numbers	numbers
			Roman numerals	Roman numerals	Roman numerals	Roman numerals
The = sign means	The = sign means	The = sign means	The = sign means	The = sign means	The = sign means	The = sign means
not an answer but is	not an answer but is	not an answer but is	not an answer but is	not an answer but is	not an answer but is	not an answer but is
equivalent to	equivalent to	equivalent to	equivalent to	equivalent to	equivalent to	equivalent to
2D and 3D shapes	2D and 3D shapes	2D and 3D shapes	2D and 3D shapes	2D and 3D shapes	2D and 3D shapes	2D and 3D shapes

	EYFS/Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Combining two parts to make a whole: part whole model	Adding three single digits.	Column method- regrouping.	Column method- regrouping.	Column method- regrouping.	Column method- regrouping.
Addition	Starting at the bigger number and counting on- using cubes. Regrouping to make 10 using ten frame.	Use of base 10 to combine two numbers.	Using place value counters (up to 3 digits).	(up to 4 digits)	Use of place value counters for adding decimals.	Abstract methods. Place value counters to be used for adding decimal numbers.
	Taking away ones	Counting back	Column method with regrouping.	Column method with regrouping.	Column method with regrouping.	Column method with regrouping.
Subtraction	Counting back Find the difference Part whole model Make 10 using the ten frame	Find the difference Part whole model Make 10 Use of base 10	(up to 3 digits using place value counters)	(up to 4 digits)	Abstract for whole numbers. Start with place value counters for decimals- with the same amount of decimal places.	Abstract methods. Place value counters for decimals- with different amounts of decimal places.
Multiplication	Recognising and making equal groups. Doubling Counting in multiples Use cubes, Numicon and other objects in the classroom	Arrays- showing commutative multiplication	Arrays 2d × 1d using base 10	Column multiplication- introduced with place value counters. (2 and 3 digit multiplied by 1 digit)	Column multiplication Abstract only but might need a repeat of year 4 first(up to 4 digit numbers multiplied by 1 or 2 digits)	Column multiplication Abstract methods (multi-digit up to 4 digits by a 2 digit number)
Division	Sharing objects into groups Division as grouping e.g. I have 12 sweets and put them in groups of 3, how many groups? Use cubes and draw round 3 cubes at a time.	Division as grouping Division within arrays- linking to multiplication Repeated subtraction	Division with a remainder-using lollipop sticks, times tables facts and repeated subtraction. 2d divided by 1d using base 10 or place value counters	Division with a remainder Short division (up to 3 digits by 1 digit- concrete and pictorial)	Short division (up to 4 digits by a 1 digit number including remainders)	Short division Long division with place value counters (up to 4 digits by a 2 digit number) Children should exchange into the tenths and hundredths column too

Progression in the teaching of place value						
Foundation	Year 1	Year 2	Year 3 onwards			
Understanding ten Und	derstanding numbers up to 20	Understanding numbers up to one hundred	Understanding numbers up to one thousand			
A TENS FRAME is a simple maths tool that helps children: • Keep track of counting • See number relationships • Learn addition to 10 • Understand place value'Ten' is t numera 	 a the building block of our Base 10 ation system. Young children can y 'read' two-digit numbers long they understand the effect the nent of each digit has on its ical value. A child might be able to thy read 62 as sixty two and 26 as y-six, and even know which number er, without understanding why the ers are of differing values. a mes can provide a first step into standing two-digit numbers simply introduction of a second frame. If the second frame to the right of standing. a the second frame to the right of standing. b the second frame to the right of standing. b the second frame to the right of standing. b the second frame to the right of standing. b the second frame to the right of standing. b the second frame to the right of standing. b the second frame to the right of standing. b the second frame to the right of standing. b the second frame to the right of standing. c the second frame to the right of standing. c the second frame to the right of standing. c the second frame to the right of standing. c the second frame to the right of standing. c the second frame to the right of standing. c the second frame to the right of standing. c the second frame to the second frame. c the second frame to the second frame. c the second frame to the right of standing. c the second frame to the second frame. c the second frame to the second frame. c the second frame to the second frame. c the second frame to the right of second frame. d the second frame to the seco	Image: Strain of the use of tens frames. Image: Strain of tens frames. Image:	Continue developing place value through the use of manipulatives including recognising 416 as 41 tens and 6 ones which is equivalent to 416 ones which is equivalent to four hundreds and one ten and six ones 4 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1			

Progression in the teaching of place value						
Year 4	Year 5	Year 6				
Understanding numbers up to ten thousand	Understanding numbers up to one million including decimals	Understanding numbers beyond one million including decimals				
Continue developing place value through the use of manipulatives.Place value arrow cards	 Continue developing place value through the use of manipulatives. Place value arrow cards 	 Continue developing place value through the use of manipulatives. Place value arrow cards 				
 Place value counters Dienes blocks Place value charts 	 Place value counters (including decimal counters) Dienes blocks Place value charts 	 Place value counters (including decimals counters) Dienes blocks Place value charts 				
thousandshundredstensones12471,000247200474077777Continue developing place value through the useof manipulatives including recognising thenumber above as one thousand plus twohundred plus four tens plus seven ones isequivalent to twelve hundred plus 47 ones etc.The children must also be able to identify thatthis number is also 12,470 tenths	They need to understand that there are no ten thousands in this number. The value of the digit 9 is nine thousand but there are three hundred and nine thousands in this number. They need to be able to recognise the value of the digit and the number and know that these are different. They also need to know how many tenths and hundredths are in this number 3092810 tenths and 30928100 hundredths in this number.	MILLIONSMundredtenmillionsTHOUSANDSONES745309281They need to understand that there are no tenthousands in this number. The value of the digit 9 isnine thousand but there are 745309 thousands inthis number.They need to be able to recognise the value of thedigit and the number and know that these aredifferent. They also need to know how manytenths, hundredths and thousandths there are inthis number 7453092810 tenths and 74530928100hundredths and 745309281000 thousandths in this				

Y5 and Y6 Addition & Subtraction



Strategies & Guidance	CPA		
Partitioning one number and applying known facts to	Partitioning into place value amounts (canonical partitioning):		
Pupils can use this strategy mentally or with jottings as needed. Pupils should be aware of the range of choices available when deciding how to partition the number that is to be added.			
They should be encouraged to count on from the number of greater value as this will be more efficient. However, they should have an understanding of the commutative law of addition, that the parts can be added in any order. Pupils have experience with these strategies with smaller numbers from previous years and so the focus should be on developing flexibility and exploring efficiency.	With place value counters, represent the larger number and then add each place value part of the other number. The image above shows the thousands being added. Represent pictorially with an empty numberline: $\frac{4000}{7326} + \frac{600}{11} + \frac{50}{126} + \frac{50}{11} + \frac{50}{$		

Strategies & Guidance	CPA
Subtraction by partitioning and applying known facts.	Partitioning into place value amounts (canonical partitioning):
Pupils can use this strategy mentally or with jottings as needed.	75 221 - 14 300 = 75 221 - 10 000 - 4000 - 300
Pupils should be aware of the range of choices available when deciding how to partition the number that is to be subtracted.	
Pupils have experience with these strategies with smaller numbers from previous years and so the focus should be on	Represent pictorially with a number line, starting on the right and having the arrows jump to the left:
developing flexibility and exploring efficiency.	- 300 - 4000 - 10 000
	60 921 61 221 65 221 75 221
	Develop understanding that the parts can be subtracted in any order and the result will be the same:
	- 10 000 - 300 - 4000
	60 921 70 921 71 221 75 221
	Partitioning in different ways (non-canonical partitioning):
	Extend the 'Make ten' strategy (see guidance in Y1 or Y2) to count back to a multiple of 10.
	- 79 - 14 000 - 221
	60 921 61 000 75 000 75 221

Strategies & Guidance	CPA
Calculate difference by "counting back"	75 221 – 14 300
It is interesting to note that	Place the numbers either end of a numberline and work out the
finding the difference is	difference between them. Select efficient jumps.
reversible. For example, the	- 700 - 60 000 - 221
same as the difference between 2	
and 5. This is not the case for	14 300 15 000 75 000 75 221
other subtraction concepts.	Finding the difference is efficient when the numbers are close to
	each other:
	9012 - 8976
	- 24 - 12
	8976 9000 9012
Calculate difference by "counting on"	75 221 – 14 300
Addition strategies can be	+ 700 + 60 000 + 221
used to find difference.	14 300 15 000 75 000 75 221
	Finding the difference is efficient when the numbers are close to
	each other
	9012 - 8976
	+ 24 + 12
	8976 9000 9012



Strategies & Guidance	CPA
Partition both numbers and	7230 + 5310 = 12 000 + 500 + 40
combine the parts	
Pupils should be secure with this method for numbers up to 10 000, using place value counters or Dienes to show conceptual understanding.	200 + 300 = 500
If multiple regroupings are required, then pupils should consider using the column method.	7000 + 5000 = 12000 30 + 10 = 40 Pupils should be aware that the parts can be added in any order.
Written column methods for addition	For this method start with the digit of least value because if regrouping happens it will affect the digits of greater value.
In Year 5, pupils are expected to be able to use formal written methods to add whole numbers with more than four digits as well as working with numbers with up to three decimal places.	3 4 6 2 3 + 5 5 4 1
Pupils should think about whether this is the most efficient method, considering if mental methods would be more effective.	Combine the counters in each column and regroup as needed:
Continue to use concrete manipulatives alongside the formal method.	3 4 6 2 3
When adding decimal numbers with a different number of decimal places, in order to avoid	
calculation errors, pupils should be encouraged to insert zeros so that there is a digit in every row. This is not necessary for	Decimal numbers:
calculation and these zeros are not place holders as the value of the other digits is not changed by it being placed.	3 4 . 2 5 1 5 . 4
Exemplification of this method and the language to use are best understood through viewing the tutorial videos found <u>here</u> on the toolkit.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Strategies & Guidance	CPA
Written column methods for subtraction	4 1 3 6 2 Ten Trousonds Trousonds Mundreds Tens Ones
In Year 5, pupils are expected to be able to use formal written methods to subtract whole	- 3 2 2 4 3
numbers with more than four digits as well as working with numbers with up to three decimal places.	
Pupils should be given plenty of	- 3 2 2 4 3
require multiple separate instances of regrouping.	9119
In Year 3 and 4 they become more familiar with calculations that require 'regrouping to regroup'. Understanding must be secured through the considered use of manipulatives and images, combined with careful use of language. Pupils should think about if this	The term regrouping should be the language used. You can use the terms 'exchange' with subtraction but it needs careful consideration. You can regroup 62 as 50 and 12 (5 tens and 12 ones) instead of 60 and 2 (6 tens and 12 ones). Or you can 'exchange' one of the tens for 10 ones resulting in 5 tens and 12 ones.
is the most efficient method, considering whether mental strategies (such as counting on, using known number facts, compensation etc.) may be likelier to produce an accurate solution.	If you have exchanged, then the number has been regrouped.
Exemplification of this method and the language to use are best understood through viewing the tutorial videos found <u>here</u> on the toolkit.	

Y5 and Y6 Multiplication

Strategies & Guidance	
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Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

Avoid saying that you "add a zero" when multiplying by ten and instead use the language of place holder.

Use place value counters and charts to visualise and then notice what happens to the digits.

CPA						
When you multiply by ten, each part is ten times greater. The ones						
become tens, the tens become hundreds, etc.						

When multiplying whole numbers, a zero holds a place so that each digit has a value that is ten times greater.

102.14 x 10 = 1021.4



When you divide by ten, each part is ten times smaller. The hundreds become tens and the tens become ones. Each digit is in a place that gives it a value that is ten times smaller.

When dividing multiples of ten, a place holder is no longer needed so that each digit has a value that is ten times smaller. E.g. 210 ÷ 10 = 21

210.3 ÷ 10 = 21.03

Hundreds	Tens	Ones	tenths	hundredths
100 100	10		0.1	
	10 10	1		0.01



	700 000 x 3	70 000 x 30	7000 x 300	700 x 3000	70 x 30 000	7 x 300 000
	70 000 x 3	7000 x 30	700 x 300	70 x 3000	7 x 30 000	
	7000 x 3	700 x 30	70 x 300	7 x 3000		-
	700 x 3	70 x 30	7 x 300		-	
	70 x 3	7 x 30		-		
=	7 x 3					
	0.7 x 3	7 x 0.3	1			
	0.07 x 3	0.7 x 0.3	7 x 0.03]	_	
	0.007 x 3	0.07 x 0.3	0.7 x 0.03	7 x 0.003	1	
	=	700 000 x 3 70 000 x 3 7000 x 3 700 x 3 70 x 3 70 x 3 70 x 3 0.7 x 3 0.07 x 3 0.007 x 3	700 000 x 3 70 000 x 30 70 000 x 3 7000 x 30 7000 x 3 7000 x 30 700 x 3 700 x 30 700 x 3 70 x 30 70 x 3 70 x 30 70 x 3 7 x 30 7 x 3 7 x 0.3 0.7 x 3 0.7 x 0.3 0.07 x 3 0.07 x 0.3	700 000 x 3 70 000 x 30 7000 x 300 70 000 x 3 7000 x 30 700 x 300 7000 x 3 700 x 30 700 x 300 700 x 3 700 x 30 70 x 300 700 x 3 70 x 30 7 x 300 70 x 3 7 x 30 7 x 300 70 x 3 7 x 30 7 x 300 70 x 3 7 x 30 7 x 300 0.7 x 3 7 x 0.3 0.7 x 0.3 0.07 x 3 0.7 x 0.3 7 x 0.03 0.007 x 3 0.07 x 0.3 0.7 x 0.03	700 000 x 3 70 000 x 30 7000 x 300 700 x 3000 70 000 x 3 7000 x 30 700 x 300 70 x 3000 7000 x 3 700 x 30 700 x 300 70 x 3000 700 x 3 700 x 30 70 x 300 7 x 3000 700 x 3 70 x 30 7 x 300 7 x 3000 700 x 3 70 x 30 7 x 300 7 x 300 70 x 3 7 x 30 7 x 300 7 x 300 70 x 3 7 x 30 7 x 300 7 x 300 7 x 3 7 x 0.3 0.7 x 3 7 x 0.3 0.07 x 3 0.7 x 0.3 7 x 0.03 7 x 0.003	700 000 x 3 70 000 x 30 7000 x 300 700 x 3000 70 x 30 000 70 000 x 3 7000 x 30 700 x 300 70 x 3000 7 x 30 000 7000 x 3 700 x 30 700 x 300 7 x 3000 7 x 30 000 700 x 3 700 x 30 70 x 300 7 x 3000 7 x 30 000 700 x 3 70 x 30 7 x 300 7 x 3000 7 x 3000 700 x 3 70 x 30 7 x 300 7 x 3000 7 x 3000 700 x 3 70 x 30 7 x 300 7 x 300 7 x 3000 70 x 3 7 x 30 7 x 300 7 x 300 7 x 3000 0.7 x 3 7 x 0.3 7 x 0.03 7 x 0.003 7 x 0.003 0.007 x 3 0.07 x 0.3 0.7 x 0.03 7 x 0.003 7 x 0.003





Strategies & Guidance	СРА			
Formal written method of short multiplication	241 Hundreds Ters Ones			
Conceptual understanding is supported by the use of place value counters, both during teacher demonstrations and during their own practice.	x 3 723	•		
Exemplification of this method and the language to use are best understood through viewing the tutorial videos found <u>here</u> on the toolkit.	1			
Multiplying by a 2-digit number	Thousands Hundreds Tens Ones 2 4 3			
Formal written method of long multiplication	x 12 486			
In Year 6 pupils are extended from multiplication by a 1- digit number to multiplication by a 2-digit number.		243 x 2 243 x 10		
Extend the place value chart model used in Year 4, using an additional row on the place value chart.		34 ×12		
Extend understanding of the distrubitive law to develop conceptual understanding of the two rows of the formal written method.	12 × 34	6 8 3 4 0 4 0 8		
Dienes blocks can be used to construct area models to represent this.		10 × 34 = 340 2 × 34 = 68		

Y5 and Y6 Division





Strategies & Guidance Short division

Dividing a 4-digit numbers by 1-digit numbers

The thought process of the traditional algorithm is as follows:

How many 4s in 8? 2 How many 4s in 5? 1 with 1 remaining so regroup. How many 4s in 12? 3 How many 4s in 8? 2

Warning: If you simply apply place value knowledge to each step, the thinking goes wrong if you have to regroup.

How many 4s in 8000? 2000 How many 4s in 500? 100 with 1 remaining (illogical) The answer would be 125.

Sharing the dividend builds conceptual understanding however doesn't scaffold the "thinking" of the algorithm.

Using place value counters and finding groups of the divisor for each power of ten will build conceptual understanding of the short division algorithm.

Area models are also useful representations, as seen with other strategies and exemplified for long division.

Exemplification of this method and the language to use are best understood through viewing the tutorial videos found <u>here</u> on the toolkit.



8 thousands shared into 4 equal groups 5 hundreds shared into 4 equal groups Regroup 1 hundred for 10 tens 12 tens shared into 4 equal groups 8 ones shared into 4 equal groups.

Grouping



How many groups of 4 thousands in 8 thousands? How many groups of 4 hundreds in 5 hundreds? Regroup 1 hundred for 10 tens. How many groups of 4 tens in 12 tens? How many groups of 4 ones in 8 ones?

