Mathematics Non-Negotiables

Year 3

Non-negotiables are the minimum expectations that all pupils must attain by the end of year.

These prompt sheets have been designed to assist teachers with planning/assessment and as an ideal support tool for parent's evenings/progress meetings etc.

The content identifies basics to ensure children make rapid progress and access learning in other areas, as well as securing success in terms of preparing children for the next stages in their learning.

Written with age appropriate expectations in mind, they:

- focus on the basics; making a difference to progress for all children
- support teachers in recognising key areas to promote progress
- are based on the average pupil in the cohort, supporting the need for differentiation.

Non-negotiables are in no way intended to cover the entirety of the curriculum — they are an on-going reminder of key objectives for the year group. They are the basics in order to embed and support meaningful learning.

Content:

Mathematics Non-negotiables End of Year Expectations for Year 3 followed by an activity booklet containing example questions.

Did you like this resource? Don't forget to review it <u>here</u>.

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Mathematics Non-Negotiables - Year 3 - Teaching Information

Mathematics Non-Negotiables End of Year Expectations for Year 3

- Compare & order numbers up to 1000
- Read & write all numbers to 1000 in digits and words
- Find 10 or 100 more/less than a given number
- Count from 0 in multiples of 4, 8, 50 and 100
- Recall & use multiplication & division facts for 3, 4, 8 tables
- Recognise place value of any 3-digit number
- Add and subtract: 3-digit numbers and ones

3-digit numbers and tens

- 3-digit numbers and hundreds
- Add and subtract: Numbers with up to 3-digits using written columnar method
- Estimate and use inverse to check
- Multiply: 2-digit by 1-digit
- Count up/down in tenths
- Compare and order fractions with same denominator
- Add and subtract fractions with same denominator within one whole
- Tell time using 12 and 24 hour clocks; and using Roman numerals
- Tell time to nearest minute
- Know number of days in each month and number of seconds in a minute

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Mathematics Non-Negotiables - Year 3 - Teaching Information

				Year 3					
• Con	npare & or	der nun	nbers up to	1000					
Order tl	he numbers	s from s	mallest to lo	argest.					
237	12	qqq	110	300	482	862	4	50	96
				500	-02				
• Rea Fill in th	 Read & write all numbers to 1000 in digits and words Fill in the table with the missing digits or words 								
	words		digits		V	vords		di	igits
three hundred and two								•	109
		841 seven hundred and thirty-five							
on	e thousand	L			two hund	dred and f	four		
			388					٤	315
five hundred and twenty-seven		rd						C	199
• Find	d 10 or 100) more/	less than a c	jiven r	number				
Fill in	the table to	o show	10 less and	10 ma	ore than th	e given ni	umber	·.	
10 less than 10 more than									
				651					
				312					
				865					

Fill in the table to show 100 less and 100 more than the given number.

100 less than		100 more than
	900	
	164	
	599	
	731	

701

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one hundred, two tens and three ones
six hundred, no tens and six ones
no hundreds, seven tens and two ones

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Write the place value words that form the given number

words	digits
	961
	157
	608
	86
	442

• Add and subtract:



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 Add and subtract: Numbers with up to 3-digits using written columnar method

Complete the column method addition questions

	1	4	3
+	ß	3	4

	3	6	2
+	3	2	6

	5	1	1
+	4	2	5

4

3

4

3

+

9

2

	7	6	5
+	1	2	2

	1	4	8
+	ß	З	4

Complete the column method subtraction questions

	٩	8	6
-	4	4	5



	7	4	1
-	5	2	1



	2	٩	3
Ι	1	6	1



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Mathematics Non-Negotiables – Year 3 – Activity Pack

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Using words, write the time beneath the roman numeral clock

in the evening

:



in the morning

:

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in the evening

:

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in the afternoon

:

• Know number of days in each month and number of seconds in a minute

How many days in each month?



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		Year 3	}					
• Compare & order nu	mbers up to	1000						
Order the numbers from	smallest to lo	argest						
237 12 999	110	300	482	862	4	50	96	
12 96 110	237	300	482	450	8	62	999	
• Read & write all numbers to 1000 in digits and words Fill in the table with the missing digits or words								
words	digits		W	ords		di	gits	
three hundred and two	302		one hundred and nine			1	109	
eight hundred and forty-one	841		seven hundred and thirty-five		7	35		
one thousand	1000		two hundred and four		2	04		
three hundred and eighty-eight	388		eight hundred and fifteen		815			
five hundred and twenty-seven 527			nine hu nine	ndred and ty-nine		٩	99	
• Find 10 or 100 more/less than a given number								
Fill in the table to show	v 10 less and	10 m	ore than the	given nur	nbei	<u>`.</u>		
10 less than				10 n	nore	than		

641	651	661
302	312	322
855	865	875
691	701	711

Fill in the table to show 100 less and 100 more than the given number.

100 less than	100 more than		
800	900	1000	
64	164	264	
499	599	699	
631	731	831	

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• Recognise place value of any 3-digit number

Write the digits to form the number

words	digits
five hundreds, three tens and nine ones	539
eight hundreds, one ten and four ones	814
one hundred, two tens and three ones	123
six hundred, no tens and six ones	606
no hundreds, seven tens and two ones	72

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Write the place value words that form the given number

words	digits
nine hundreds, six tens and one one	961
one hundred, five tens and seven ones	157
six hundreds, no tens and eight ones	608
no hundreds, eight tens and six ones	86
four hundreds, four tens and two ones	442

• Add and subtract:



3-digit numbers and tens



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 Add and subtract: Numbers with up to 3-digits using written columnar method

Complete the column method addition questions

	1	4	3
+	3	3	4
	4	7	7

	3	6	2
+	3	2	6
	6	8	8

	5	1	1
+	4	2	5
	٩	3	6

4

3

8

9

2

1

4

3

7

+

	7	6	5
+	1	2	2
	8	8	7

	1	4	8
+	З	3 1	4
	4	8	2

Complete the column method subtraction questions

	٩	8	6
_	4	4	5
	5	4	1



	7	4	1
Ι	5	2	1
	2	2	0



	2	٩	3
Ι	1	6	1
	1	3	2

	⁴ 5	¹ 2	7
_	2	4	2
	2	8	5

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• Estimate and use inverse to check

Estimate the following answers before working them out, then use addition or subtraction to find the corresponding fact to check your answer.



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• Compare and order fractions with same denominator

Order the fractions from smallest to largest



• Add and subtract fractions with same denominator with whole



What fraction do you need to make 1?



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Using words, write the time beneath the roman numeral clock



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• Know number of days in each month and number of seconds in a minute

How many days in each month?



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