INDEX CARD: YEAR 5

Dig1t games

NATIONAL CURRICULUM TARGET	GAME No.	GAME TITLE
NUMBER AND PLACE VALUE		
Read, write, order and compare numbers…	N501	Ordering Numbers up to 1 million
	N502	Comparing Numbers up to 1 million
Count forwards or backwards in steps of powers of 10…	N503	Counting in Powers of 10
Interpret negative numbers in context…	N504 - N505	Negative Numbers
Round any number up to 1,000,000…	N506 - N507	Round to the Nearest 10, 100, 1000, 10000, 100000
Solve number problems…	Refer to N501 - N507	
Read roman numerals to 1000…	N508 - N510	Roman Numerals
	N511	Adding with Roman Numerals
ADDITION AND SUBTRACTION		
Add and subtract whole numbers with more than 4 digits…	N512 - N513	Adding/Subtracting with 5-digit Numbers
Add and subtract numbers mentally…	N514 - N517	Add and Subtract Mentally
Use rounding to check answers to calculations…	N518	Estimating with Addition and Subtraction
Solve addition and subtraction multi-step problems…	N519	Mind the Gap
MULTIPLICATION AND DIVISION		
Identify multiples and factors…	N520	Factors, Multiples, Primes and Squares
	N521	Common Factors
Know and use the vocabulary of prime numbers…	N522	Prime Numbers, Prime Factors and Composite Numbers
Establish whether a number up to 100 is prime…	Refer to N522	
Multiply numbers up to 4 digits by a 1 or 2-digit number…	N523 - N526	Multiplying 1, 2, 3 and 4-digit Numbers
Multiply and divide numbers mentally using known facts	N527 - N528	Mutliplying Numbers Mentally
	N529	Connections in Division
	N530	Dividing Mentally
Divide numbers up to 4 digits by a 1-digit number...	N531	Dividing by 2 to 12 with Remainders
	N532 - N534	Dividing 2, 3 and 4-digit Numbers by a 1-digit Number
…and interpret remainders appropriately for the context	N535 - N537	Interpreting Remainders
Multiply and divide whole numbers and decimals by…	N538	Multiplying/dividing by 10/100/1000
Recognise and use square numbers and…	N539	Square and Cube Numbers
Solve problems involving multiplication and division…	N540	Squares and Cubes in Number Sentences
Solve problems involving add/subtract/multiply/divide…	N541	Addition/Subtraction/Multiplication/Division
	N542	The 4 Operations
Solve problems involving mutlipying and dividing…	N543	Chocolate Fridge Cake
FRACTIONS		
From the non-statutory notes and guidance:	N544	Fractions on a Number line
Pupils continue to develop their understanding of fractions as numbers	N545	Fractions of a Number
Compare and order fractions whose denominators are…	N546	Comparing Fractions
	N547	Ordering Fractions
Identify, name and write equivalent fractions of…	N548	Equivalent Fractions
Recognise mixed numbers and improper fractions...	N549 - N550	Improper Fractions and Mixed Numbers
Add and subtract fractions with the same denominator…	N551	Adding fractions with the same denominators
…and denominators that are multiples of the same number	N552	Adding Fractions
	N553	Subtracting Fractions
	N554	Adding and Subtracting Fractions
Multiply proper fractions and mixed numbers by whole numbers…	N555	Multiplying Fractions by Whole Numbers
	N556	Multiplying Mixed Numbers by Whole Numbers
Read and write decimal numbers as fractions…	N557	Read and Write Decimals as Fractions
	N558	Decimals to Fractions
Recognise and use thousandths....	Refer to N557 & N558	
Round decimals with 2dp to the nearest whole number…	N559	Rounding Decimals
Read/write/order/compare numbers with up to 3 decimal places	N560	Orderding Decimals
	N561	Comparing Decimals
Solve problems involving numbers up to 3 decimal places	N562	Decimals that Total One
	N563 - N564	Adding Decimals
	N565	3 Decimal Places
Recognise the per cent symbol….	N566	Percentages Fractions and Decimals
Solve problems which require knowing percentage…	N567	Comparing Fractions Decimals and Percentages

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NATIONAL CURRICULUM TARGET	Easier Versions*	More Challenging Versions*
NUMBER AND PLACE VALUE		
Read, write, order and compare numbers…	N405 - N406	N601
	N407 - N408	N602
Count forwards or backwards in steps of powers of 10…		
Interpret negative numbers in context…	N403	N604 - N605
Round any number up to 1,000,000…	N410	N603 (different game type)
Solve number problems…		
Read roman numerals to 1000…	N411 - N413	
	N414	
ADDITION AND SUBTRACTION		
Add and subtract whole numbers with more than 4 digits…	N415 - N418	
Add and subtract numbers mentally…	N313 - N317	**N514 - N517** are differentiated
Use rounding to check answers to calculations…	N421	N614
Solve addition and subtraction multi-step problems…		N622
MULTIPLICATION AND DIVISION		
Identify multiples and factors…	N473	N615 - N617
	N474 (different game type)	
Know and use the vocabulary of prime numbers…		
Establish whether a number up to 100 is prime…		
Multiply numbers up to 4 digits by a 1 or 2-digit number…	N477 - N478	N606 - N608 (same games with a different aim)
Multiply and divide numbers mentally using known facts	N424 - N434	**N527 - N528** are differentiated
	N471	
	N461 - N469	N613
Divide numbers up to 4 digits by a 1-digit number…	N456 - N460	N609
		N611 - N612
…and interpret remainders appropriately for the context		N610
Multiply and divide whole numbers and decimals by…	N461	N637 (different game type)
Recognise and use square numbers and…	**N520**	
Solve problems involving multiplication and division…		
Solve problems involving add/subtract/multiply/divide…	N480	
	N481	N621
Solve problems involving mutliplying and dividing…		N652
FRACTIONS		
From the non-statutory notes and guidance:	N369 - N370	N627
Pupils continue to develop their understanding of fractions as numbers	N485	N634
Compare and order fractions whose denominators are…	N374 - N375	
		N628
Identify, name and write equivalent fractions of…	N483	N625
Recognise mixed numbers and improper fractions…		**N549 - N550** are differentiated
Add and subtract fractions with the same denominator…		
…and denominators that are multiples of the same number	N486	**N553**
		N554
		N629 - N630
Multiply proper fractions and mixed numbers by whole numbers…		N631 (different game type)
		N633
Read and write decimal numbers as fractions…	N491	N635
	N488 - N490	
Recognise and use thousandths….		
Round decimals with 2dp to the nearest whole number…	N493	N647 (different game type)
Read/write/order/compare numbers with up to 3 decimal places	N495	
	N494	N636 (different game type)
Solve problems involving numbers up to 3 decimal places		**N565** (different game type)
	N496 (different game type)	**N563 - N564** are differentiated
Recognise the per cent symbol….		N649 - N650
Solve problems which require knowing percentage…		N651 (different game type)

*Bold numbers indicate games within this year pack.