

INDEX CARD: YEAR 1

| NATIONAL CURRICULUM TARGET | GAME No. | GAME TITLE |
|--|----------------------|--|
| NUMBER AND PLACE VALUE | | |
| Count to and across 100... | Refer to N102 | |
| Count, read and write numbers to 100... | N101 | Read numbers to 100 |
| ...count in multiples of 2s, 5s and 10s | N102 | Counting in 1s, 2s, 5s and 10s |
| Given a number, identify one more and one less | N103 - N104 | One More or One Less |
| Identify and represent numbers using the number line... | N105 | Numbers on a number line |
| ...and use the language of: equal to, more/less, ... | N106 | Mathematical words |
| Read and write numbers from 1 to 20... | N107 | Read and write numbers 1 to 20 |
| | | |
| ADDITION AND SUBTRACTION | | |
| Read, write and interpret mathematical statements... | N108 - N110 | 2/3/4 More or Less |
| Represent and use number bonds... | N111 - N114 | Numbers that make: 6, 7, 8 and 9 |
| | N115 | Numbers that make 10 |
| | N116 - N124 | Numbers that make: 11, 12, ...18 and 19 |
| | N125 | Numbers that make 20 |
| Add and subtract 1-digit and 2-digit numbers to 20 | N126 | Dice Addition |
| | N127 | Adding 1-digit numbers |
| | N128 | Adding 1, 2, 3 and 4 |
| | N129 - 130 | Dice Addition |
| | N131 | Adding 0 to 9 |
| | N132 | Dice Subtraction |
| | N133 | Subtracting with 1-digit numbers |
| | N134 | Subtracting 1, 2, 3 and 4 |
| | N135 - 136 | Dice Subtraction |
| | N137 | Subtracting 0 to 9 |
| Solve one-step problems... | N138 | Addition and Subtraction |
| | | |
| MULTIPLICATION AND DIVISION | | |
| Solve one-step problems involving multiplication and division... | N139 - N140 | Doubling: 1 to 6 and 2 to 12 |
| | N141 | Halving Even Numbers to 20 |
| | Refer to N102 | |
| | | |
| FRACTIONS | | |
| Recognise, find and name a half... | N142 - N143 | Half of: Shapes and Shapes and Patterns |
| Recognise, find and name a quarter... | N144 - N145 | Quarter of: Shapes and Shapes and Patterns |
| | | |

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INDEX CARD: YEAR 1

| NATIONAL CURRICULUM TARGET | Easier Versions* | More Challenging Versions* |
|--|---------------------------------------|---------------------------------------|
| NUMBER AND PLACE VALUE | | |
| Count to and across 100... | | |
| Count, read and write numbers to 100... | | N202 |
| ...count in multiples of 2s, 5s and 10s | | N201 |
| Given a number, identify one more and one less | | N108 - N110 |
| Identify and represent numbers using the number line... | | N203 |
| ...and use the language of: equal to, more/less, ... | | N208 |
| Read and write numbers from 1 to 20... | | N206 |
| | | |
| ADDITION AND SUBTRACTION | | |
| Read, write and interpret mathematical statements... | N103 and N104 | N221 - N225 |
| Represent and use number bonds... | | N116 - N124 |
| | | N211 |
| | N111 - N114 | N116 - N124 are differentiated |
| | N115 | N213 - N220 |
| Add and subtract 1-digit and 2-digit numbers to 20 | | N129 - N130 |
| | | N236 |
| | | N226 |
| | N126 | N129 - 130 are differentiated |
| | N128 | N227 |
| | | N135 |
| | | N229 |
| | | N226 |
| | N132 | N135 - 136 are differentiated |
| | N134 | N227 |
| Solve one-step problems... | | N208 |
| | | |
| MULTIPLICATION AND DIVISION | | |
| Solve one-step problems involving multiplication and division... | | N239 |
| | | N246 |
| | | |
| | | |
| FRACTIONS | | |
| Recognise, find and name a half... | | N142 - N143 are differentiated |
| Recognise, find and name a quarter... | N144 - N145 are differentiated | N259 |
| | | |

***Bold numbers** indicate games within this year pack.

INDEX CARD: YEAR 2

| NATIONAL CURRICULUM TARGET | GAME No. | GAME TITLE |
|--|----------------------|--|
| NUMBER AND PLACE VALUE | | |
| Count in steps of 2, 3, and 5 from 0 and in 10s... | N201 | Counting in 2s, 3s, 5s & 10s |
| Recognise the place value of each digit... | N202 | Place Value in 2-digit Numbers |
| Identify, represent and estimate numbers using...the number line | N203 | Numbers on a Number Line |
| Compare and order numbers from 0 up to 100;... | N204 | Ordering Numbers up to 100 |
| ...use greater/less than and equal signs | N205 | Using "Greater than", "Less than" and "Equals" signs |
| Read and write numbers to at least 100... | N206 | Read and Write Numbers up to 100 |
| Use place value and number facts... | N207 | Partitioning 2-digit Numbers |
| ADDITION AND SUBTRACTION | | |
| Solve problems with addition and subtraction | N208 | Addition and Subtraction |
| Recall and use addition/subtraction facts to 20 fluently... | N209 - N210 | Addition/Subtraction with Numbers to 20 |
| ...and derive and use related facts up to 100 | N211 | Numbers that Make 100 |
| | N212 | Addition/Subtraction with Numbers to 100 |
| | N213 - N220 | Numbers that Make: 30, 40, ...90, 100 |
| Add/subtract a 2-digit number and ones | N221 - N225 | 5 to 9 More or Less |
| | N226 - N227 | Adding or Subtracting: 3-7 and 5-9 |
| | N228 - N229 | Adding/Subtracting 2 and 1-digit numbers |
| | N230 | Addition/Subtraction Using Multiples of 10 |
| Add/Subtract a 2-digit number and tens | N231 - N232 | 10 More or 10 Less |
| | N233 | Add/subtract a two-digit number and Tens |
| Add/Subtract two 2-digit numbers | N234 - N235 | Adding/subtracting with two-digit numbers |
| Adding three 1-digit numbers | N236 | Adding Three 1-digit numbers |
| Show that addition of 2 numbers is commutative... | N237 | Order of addition |
| ...inverse relationship... missing number problems | N238 | Missing Number Problems |
| MULTIPLICATION AND DIVISION | | |
| ...multiplication and division facts for 2, 5 and 10... | N239 - N242 | 2x, 5x, 10x Table |
| | N246 - N249 | Divide by: 2, 5, 10 |
| ...including recognising odd and even numbers | N253 | Even and Odd Numbers |
| Calculate mathematical statements for multiplication and division... | N243 - N245 | Multiplying by: 2, 5, 10 |
| | N250 - N252 | Dividing by: 2, 5, 10 |
| Show that multiplication is commutative... | N254 | Order of Multiplication and Division |
| Solve problems involving multiplication and division... | Refer to N239 - N257 | |
| | N255 - N256 | Doubling and Halving and Halving Multiples of 10 |
| | N257 | Doubling 2-digit Numbers |
| FRACTIONS | | |
| Recognise, find, name and write fractions... | N258 | Recognising Fractions |
| Write simple fractions... | N259 | Halves and Quarters of a Number |
| | N260 | Counting up in Halves and Quarters |

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INDEX CARD: YEAR 2

| NATIONAL CURRICULUM TARGET | Easier Versions* | More Challenging Versions* |
|--|-----------------------------------|---------------------------------------|
| NUMBER AND PLACE VALUE | | |
| Count in steps of 2, 3, and 5 from 0 and in 10s... | N102 | N301 |
| Recognise the place value of each digit... | N101 | N305 |
| Identify, represent and estimate numbers using...the number line | N105 | N309 |
| Compare and order numbers from 0 up to 100;... | | N307 |
| ...use greater/less than and equal signs | | N308 |
| Read and write numbers to at least 100... | N107 | N310 |
| Use place value and number facts... | | N306 |
| ADDITION AND SUBTRACTION | | |
| Solve problems with addition and subtraction | N106 | N311 |
| Recall and use addition/subtraction facts to 20 fluently... | | N212 |
| ...and derive and use related facts up to 100 | N115 | N213 - N220 |
| | N209 - N210 | N312 & N230 |
| | N125 | N213 - N220 are differentiated |
| Add/subtract a 2-digit number and ones | N108 - N110 | N231 - N232 |
| | N128 & N131 | N313 - N315 |
| | N127 & N133 | N234 - N235 |
| | N212 | N312 |
| Add/Subtract a 2-digit number and tens | N221 - N225 | N231 - N232 are differentiated |
| | | N324 (different game type) |
| Add/Subtract two 2-digit numbers | N228 - N229 | N319, N320, N325 & N326 |
| Adding three 1-digit numbers | N127 | |
| Show that addition of 2 numbers is commutative... | | N254 |
| ...inverse relationship... missing number problems | | N328 (slightly different game type) |
| MULTIPLICATION AND DIVISION | | |
| ...multiplication and division facts for 2, 5 and 10... | N139 - N140 | N331 - N339 |
| | N141 | N341 - N347 |
| ...including recognising odd and even numbers | | |
| Calculate mathematical statements for multiplication and division... | | N338 - N340 |
| | | N348 - N350 |
| Show that multiplication is commutative... | N237 | |
| Solve problems involving multiplication and division... | | |
| | N139 - N141 (different game type) | |
| | N139 & N140 | N351 |
| FRACTIONS | | |
| Recognise, find, name and write fractions... | | N371 |
| Write simple fractions... | N142 - N145 | N367 |
| | | N366 |

***Bold numbers** indicate games within this year pack.

INDEX CARD: YEAR 3

| NATIONAL CURRICULUM TARGET | GAME No. | GAME TITLE |
|---|----------------------|---|
| NUMBER AND PLACE VALUE | | |
| Count from 0 in multiples of 4, 8, 50 and 100 | N301 | Counting in 4s, 8s, 50s, 100s |
| ...find 10 or 100 more or less than a given number | N302 - N303 | Multiples of: 2, 3, 4 & 5 and 8, 10, 50 & 100 |
| Recognise the place value of each digit... | N304 | 10 / 100 More or Less |
| | N305 | Place Value in 3-digit Numbers |
| | N306 | Partitioning 3-digit Numbers |
| Compare and order numbers up to 1000 | N307 | Ordering Numbers up to 1000 |
| | N308 | Comparing Numbers up to 1000 |
| Identify, represent and estimate numbers... | N309 | Numbers on a Number Line |
| Read and write numbers up to 1000... | N310 | Read and Write Numbers up to 1000 |
| Solve number problems... | N311 | Number and Place Value |
| | | |
| ADDITION AND SUBTRACTION | | |
| Add and Subtract numbers mentally... | N312 | Addition with Numbers to 100 |
| | N313 - N315 | Adding or Subtracting: 8 - 12, 13 - 16 and 17 - 20 |
| ...a 3-digit number and ones | N316 | Adding and Subtracting Ones to 3-digit Numbers |
| ...a 3-digit number and tens | N317 | Adding and Subtracting Tens to 3-digit Numbers |
| ...a 3-digit number and hundreds | N318 | Adding and Subtracting Hundreds to 3-digit Numbers |
| Add and Subtract numbers with up to 3-digits... | N319 - N320 | Adding: 3-digit and 2-digit Numbers / 3-digit Numbers |
| | N321 - N324 | Adding/Subtracting with Multiples of 10 |
| | N325 - N326 | Subtracting with 2 and 3-digit numbers |
| Estimate the answer to a calculation... | N327 | Estimating Answers |
| ...and use inverse operations... | N328 | What is the Number? |
| Solve problems, including missing number problems... | N329 - N330 | Missing Number Problems |
| | | |
| MULTIPLICATION AND DIVISION | | |
| Recall and use Multiplication and division facts for 3, 4 & 8 | N331 - N337 | 3, 4 and 8 Times Tables |
| | N338 - N340 | Multiplying by: 3, 4 and 8 |
| | N341 - N347 | Divide by: 3, 4 and 8 |
| | N348 - N350 | Dividing by: 3, 4 and 8 |
| ...calculate mathematical statements for multiplication... | N351 | Doubling 2-Digit Numbers |
| | N352 | Halving 2-Digit Numbers |
| | N353 - N356 | Dividing by: 3, 4, 5 and 8 with remainders |
| | N357 - N358 | Multiplying and Dividing by 3, 4, 8, 30, 40, 80 |
| ...including for 2-digit numbers times 1-digit numbers... | N359 - N361 | Multiplying 2-digit numbers by: 3, 4 and 8 |
| ...missing number problems involving multiplication... | N362 - N363 | Missing Number Problems |
| | N364 | Sum or Product |
| | N365 | The Four Operations |
| | | |
| FRACTIONS | | |
| Count up and down in tenths... | N366 | Counting in Halves, Quarters and Tenths |
| Recognise, find and write fractions of a discrete set of objects... | N367 - N368 | Unit / Non-Unit Fractions of a Number |
| Recognise and use fractions as numbers... | N369 - N370 | Unit / Non-Unit Fractions on a Number line |
| Recognise and show...equivalent fractions... | N371 | Recognising Fractions |
| | N372 | Equivalent Fractions |
| Add and Subtract fractions with the same denominator... | N373 | Add and Subtract fractions |
| Compare and order unit fractions and fractions... | N374 - N375 | Comparing Unit Fractions / Comparing Fractions |
| Solve problems that involve all of the above | Refer to N366 - N375 | |
| | | |

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INDEX CARD: YEAR 3

| NATIONAL CURRICULUM TARGET | Easier Versions* | More Challenging Versions* |
|---|-----------------------------------|---------------------------------------|
| NUMBER AND PLACE VALUE | | |
| Count from 0 in multiples of 4, 8, 50 and 100 | N201 | N401 & N302 - N303 |
| ...find 10 or 100 more or less than a given number | N253 | |
| Recognise the place value of each digit... | N202 | N402 |
| | N207 | N404 |
| Compare and order numbers up to 1000 | N204 | N405 - N406 |
| | N205 | N407 - N408 |
| Identify, represent and estimate numbers... | N203 | N409 |
| Read and write numbers up to 1000... | N206 | |
| Solve number problems... | N208 | N480 |
| | | |
| ADDITION AND SUBTRACTION | | |
| Add and Subtract numbers mentally... | N209 - N210, N212 & N230 | |
| | N226 - N227 | N313 - N315 are differentiated |
| ...a 3-digit number and ones | | N317 |
| ...a 3-digit number and tens | N316 | |
| ...a 3-digit number and hundreds | | |
| Add and Subtract numbers with up to 3-digits... | N234 & N236 | N415 - N416 |
| | | N419 - N420 |
| | N235 | N417 - N418 |
| Estimate the answer to a calculation... | | N421 (different game type) |
| ...and use inverse operations... | | N423 |
| Solve problems, including missing number problems... | | N362 - N363 |
| | | |
| MULTIPLICATION AND DIVISION | | |
| Recall and use Multiplication and division facts for 3, 4 & 8 | N239 - N242 | N424 - N434 |
| | N243 - N245 | N435 - N439 |
| | N246 - N249 | N440 - N450 |
| | N250 - N252 | N451 - N455 |
| ...calculate mathematical statements for multiplication... | N257 | |
| | N255 - N256 (different game type) | |
| | | N456 - N460 |
| | | N462 - N469 |
| ...including for 2-digit numbers times 1-digit numbers... | | N477 - N478 |
| ...missing number problems involving multiplication... | N329 - N330 | N479 |
| | | N472 (different game type) |
| | | N481 |
| | | |
| FRACTIONS | | |
| Count up and down in tenths... | N260 | N484 |
| Recognise, find and write fractions of a discrete set of objects... | N259 | N485 |
| Recognise and use fractions as numbers... | | N544 |
| Recognise and show...equivalent fractions... | N258 | |
| | | N482 |
| Add and Subtract fractions with the same denominator... | | N487 |
| Compare and order unit fractions and fractions... | | N494 & N546 |
| Solve problems that involve all of the above | | |
| | | |

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| NATIONAL CURRICULUM TARGET | GAME No. | GAME TITLE |
|--|----------------------|--|
| NUMBER AND PLACE VALUE | | |
| Count in multiples of 6, 7, 9, 25 and 1000 | N401 | Counting in 6s, 7s, 9s and 25s |
| Find 1000 more or less than a given number | N402 | 10/100/1000 More or Less |
| Count backwards through 0 to include negative numbers | N403 | Counting Back into Negative Numbers |
| Recognise the place value of each digit in a 4-digit... | N404 | Place Value in 4-digit Numbers |
| Order and compare numbers beyond 1000 | N405 - N406 | Ordering Numbers up to 10000 / 100000 |
| | N407 - N408 | Comparing Numbers up to 10000 / 100000 |
| Identify, represent and estimate numbers... | N409 | Numbers on a Number line |
| Round any number to 10, 100 or 1000 | N410 | Round to the Nearest 10/100/1000 |
| Solve number problems that involve all of the above... | Refer to N401 - N410 | |
| Read Roman numerals to 100... | N411 - N413 | Roman Numerals |
| | N414 | Adding with Roman Numerals |
| ADDITION AND SUBTRACTION | | |
| Add and Subtract numbers with up to 4-digits... | N415 - N418 | Adding and Subtracting with 3 and 4-digit Numbers |
| | N419 - N420 | Adding/Subtracting Multiples of 10 to 3-digit Numbers |
| Estimate and use inverse operations to check answers... | N421 | Estimating with addition and subtraction |
| | N422 | Inverse Operations |
| Solve addition and subtraction 2-step problems... | N423 | What is the Number? |
| MULTIPLICATION AND DIVISION | | |
| Recall multiplication and division facts... | N424 - N434 | 6, 7, 9, 11 and 12 Times Table |
| | N435 - N439 | Multiplying by: 6, 7, 9, 11 and 12 |
| | N440 - N450 | Divide by: 6, 7, 9, 11 and 12 |
| | N451 - N455 | Dividing by: 6, 7, 9, 11 and 12 |
| | N456 - N460 | Dividing by: 6, 7, 9, 11 and 12 with Remainders |
| Use place value, known and derived facts to multiply... | N461 | Multiplying and Dividing Whole Numbers by 1/10/100/1000 |
| | N462 - N469 | Deriving Facts from 3/9, 4/8, 6/12 and 7/11 Times Tables |
| | N470 - N471 | Multiplying/Dividing in Your Head |
| ...multiplying together 3 numbers | N472 | Product of Three Numbers |
| Recognise and use factor pairs... | N473 | Factors |
| | N474 | How many Factors? |
| | N475 - N476 | How many Multiples? |
| Multiply 2 and 3-digit numbers by a 1-digit number... | N477 - N478 | Multiplying 2/3-digit Numbers by 1-digit Numbers |
| Solve problems involving multiplying and adding.... | N479 | Missing Number Problems |
| | N480 | Number and Vocabulary |
| | N481 | The Four Operations |
| FRACTIONS | | |
| Recognise...families of common equivalent fractions | N482 | Families of Equivalent Fractions |
| | N483 | Equivalent Fractions |
| Count up and down in hundredths... | N484 | Counting up and Down in Tenths and Hundredths |
| Solve problems involving increasingly harder fractions... | N485 | Fractions of a Number |
| Add/subtract fractions with the same denominator | N486 | Add Fractions with the Same Denominator |
| | N487 | Add and Subtract Fractions Beyond 1 |
| Recognise...decimal equivalents... | N488 - N489 | Fractions to Decimals |
| Recognise...decimal equivalents to 1/4, 1/2 and 3/4 | N490 | Fractions to Decimals |
| Find the effect of dividing a 1 or 2-digit number by 10 and 100... | N491 | Fractions, Division and Decimals |
| | N492 | Dividing by 10 or 100 |
| Round decimals with 1 decimal place to the nearest whole number | N493 | Rounding Decimals |
| Compare numbers...up to 2 decimal places | N494 | Comparing Decimals |
| | N495 | Ordering Decimals |
| | N496 | Counting Up and Down in Decimals |
| Solve simple...problems involving fractions and decimals... | Refer to N482 - N496 | |

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INDEX CARD: YEAR 4

| NATIONAL CURRICULUM TARGET | Easier Versions* | More Challenging Versions* |
|--|---|--|
| NUMBER AND PLACE VALUE | | |
| Count in multiples of 6, 7, 9, 25 and 1000 | N301 | |
| Find 1000 more or less than a given number | N304 | |
| Count backwards through 0 to include negative numbers | | N504 - N505 |
| Recognise the place value of each digit in a 4-digit... | N305 | |
| Order and compare numbers beyond 1000 | N307 | N501 |
| | N308 | N502 |
| Identify, represent and estimate numbers... | N309 | |
| Round any number to 10, 100 or 1000 | | N506 - N507 |
| Solve number problems that involve all of the above... | | |
| Read Roman numerals to 100... | | N508 - N510 |
| | | N511 |
| | | |
| ADDITION AND SUBTRACTION | | |
| Add and Subtract numbers with up to 4-digits... | N319 - 320 & N325 - N326 N321 - N324 | N512 - N513 |
| Estimate and use inverse operations to check answers... | N327 (different game type) | N518 |
| | | |
| Solve addition and subtraction 2-step problems... | N328 | |
| | | |
| MULTIPLICATION AND DIVISION | | |
| Recall multiplication and division facts... | N331 - N337 N338 - N340 N341 - N347 N348 - N350 N353 - N356 | N527 N477 - N478 N456 - N460 (different game type) N531 |
| Use place value, known and derived facts to multiply... | | N538 |
| | N357 - N358 | N530 |
| | | N529 |
| ...multiplying together 3 numbers | N364 (different game type) | |
| Recognise and use factor pairs... | N302 - N303 | N520 |
| | | N521 (different game type) |
| | | N522 (different game type) |
| Multiply 2 and 3-digit numbers by a 1-digit number... | N359 - N361 | N523 - N526 |
| Solve problems involving multiplying and adding.... | N362 - N363 | N618 |
| | | N541 |
| | N365 | N542 |
| | | |
| FRACTIONS | | |
| Recognise...families of common equivalent fractions | N372 | |
| | | N548 |
| Count up and down in hundredths... | N366 | |
| Solve problems involving increasingly harder fractions... | N367-368 | N545 |
| Add/subtract fractions with the same denominator | | N552 |
| | N373 | |
| Recognise...decimal equivalents... | N371 | N490 |
| Recognise...decimal equivalents to 1/4, 1/2 and 3/4 | | N558 |
| Find the effect of dividing a 1 or 2-digit number by 10 and 100... | | N557 |
| | | |
| Round decimals with 1 decimal place to the nearest whole number | | N559 |
| Compare numbers...up to 2 decimal places | | N561 |
| | | N560 |
| | | N563 (different game type) |
| Solve simple...problems involving fractions and decimals... | | |
| | | |

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| 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 | Multiplying 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 |
| ...and interpret remainders appropriately for the context | N532 - N534 | Dividing 2, 3 and 4-digit Numbers by a 1-digit Number |
| | 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 multiplying 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 | Ordering 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 |
| | | |

INDEX CARD: YEAR 5

| 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 |
| | | N652 |
| Solve problems involving multiplying and dividing... | | |
| | | |
| 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.

| NATIONAL CURRICULUM TARGET | GAME No. | GAME TITLE |
|--|---------------------------|---|
| NUMBER AND PLACE VALUE | | |
| Read, write, order and compare numbers up to... | N601 | Ordering Numbers up to 10million |
| | N602 | Comparing Numbers up to 10million |
| Round any whole number to a required degree of accuracy | N603 | Rounding any Whole Number... |
| Use negative numbers... | N604 - N605 | Adding and Subtracting with Negative Numbers |
| Solve number problems involving all of the above | Refer to N601 - N605 | |
| ADDITION, SUBTRACTION, MULTIPLICATION AND DIVISION | | |
| Multiply multi digit numbers... | N606 - N608 | Multiplying 2, 3 and 4-digit numbers by 2-digit numbers |
| Divide numbers up to 4 digits. | N609 | Dividing by 2 to 12 with Remainders |
| | N610 | Interpreting Remainders |
| | N611 - N612 | Dividing 3 and 4-digit by 2-digit numbers |
| | N613 | Rounding Division |
| Perform mental calculations... | N614 | Estimating with Multiplication |
| Identify common factors/multiples and prime numbers | N615 - N617 | Common Factors, Common Multiples and Prime Numbers |
| Use their knowledge of the order of operations... | N618 | Missing Number Problems |
| | N619 - N620 | Calculations with Mixed Operations |
| | N621 | The Four Operations |
| Solve addition and subtraction multi step problems... | N622 | Mind the Gap |
| Solve problems involving addition/subtraction/multiplication/division | N623 | New Books Please |
| Use Estimation to check answers to calculations. | Refer to N603, N613, N614 | |
| FRACTIONS (INCLUDING DECIMALS AND PERCENTAGES) | | |
| Use common factors to simplify fractions... | N624 | Simplifying Fractions |
| | N625 | Equivalent Fractions |
| ...use common multiples to express fractions in the same denomination | N626 | Using Common Multiples to Add Unit Fractions |
| Compare and order fractions... | N627 | Fractions on a Number Line |
| | N628 | Ordering Fractions |
| Add and subtract fractions with different denominators... | N629 - N630 | Add and Subtract Fractions/Mixed Numbers |
| Multiply simple pairs of proper fractions... | N631 | Multiplying Fractions 1 |
| | N632 | Multiplying Fractions 2 |
| Divide proper fractions by whole numbers | N633 | Divide Fractions by Whole Numbers |
| Associate a fraction with division... | N634 | Unit Fraction Quantities |
| ... and calculate decimal fraction equivalents... | N635 | Fractions to Decimals |
| Identify the value of each digit in numbers given to 3 decimal places... | N636 | Comparing Decimals |
| ...and multiply and divide numbers by 10/100/1000... | N637 | Multiplying or Dividing by 10/100/1000 |
| Multiply 1-digit numbers with up to 2dp by whole numbers | N638 - N641 | Multiplying Decimals by Whole Numbers |
| | N642 | Multiplying Decimals |
| Use written division methods... | N643 - N646 | Division with Decimals |
| Solve problems which require answers to be rounded... | N647 | Rounding to a Specified Degree of Accuracy |
| | N648 | Estimating Answers |
| Recall and use equivalences between simple fractions... | N649 - N650 | Fractions, Decimals and Percentages |
| | N651 | Converting between Percentages, Decimals and Fractions |
| RATIO AND PROPORTION | | |
| Solve problems involving the relative sizes of 2 quantities... | N652 | Chocolate Chip Cookies |
| Solve problems involving the calculation of percentages... | N653 - N654 | Calculating Percentages |
| | N655 | Percentages/Decimals/Fractions |
| | N656 | Percentages of 360 degrees |
| Solve problems involving similar shapes | N657 | Similar Shapes |
| Solve problems involving unequal sharing and grouping... | N658 | Unequal Sharing and Grouping |
| ALGEBRA | | |
| Use simple formulae | N659 | Expressions |
| | N660 | Equations |
| Generate and describe linear number sequences | N661 | Number Sequences |
| | N662 | Generating Number Sequences |
| Express missing number problems algebraically | N663 - N664 | Equivalent Expressions |
| Find pairs of numbers that satisfy... | N665 - N666 | Equation with 2 unknowns |
| Enumerate possibilities of combinations of 2 variables | Refer to N665 - N666 | |

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| NATIONAL CURRICULUM TARGET | Easier Versions* | More Challenging Versions* |
|--|-----------------------------------|--------------------------------|
| NUMBER AND PLACE VALUE | | |
| Read, write, order and compare numbers up to... | N501 | |
| | N502 | |
| Round any whole number to a required degree of accuracy | N506 - N507 (different game type) | |
| Use negative numbers... | N504 - N505 | |
| Solve number problems involving all of the above | | |
| ADDITION, SUBTRACTION, MULTIPLICATION AND DIVISION | | |
| Multiply multi digit numbers... | N523 | |
| Divide numbers up to 4 digits. | N531 | |
| | N535 - N537 | |
| | N532 - N534 | |
| | N530 | |
| Perform mental calculations... | N518 | |
| Identify common factors/multiples and prime numbers | N520 | |
| Use their knowledge of the order of operations... | N479 | |
| | | N619 - N620 are differentiated |
| | N542 | |
| Solve addition and subtraction multi step problems... | N519 | |
| Solve problems involving addition/subtraction/multiplication/division | N622 | |
| Use Estimation to check answers to calculations. | | |
| FRACTIONS (INCLUDING DECIMALS AND PERCENTAGES) | | |
| Use common factors to simplify fractions... | N549 - N550 | |
| | N548 | |
| ...use common multiples to express fractions in the same denomination | N484 | |
| Compare and order fractions... | N544 | |
| | N547 | |
| Add and subtract fractions with different denominators... | N552 - N554 | |
| Multiply simple pairs of proper fractions... | N555 (different game type) | N632 (different game type) |
| | N556 & N631 (different game type) | |
| Divide proper fractions by whole numbers | | |
| Associate a fraction with division... | N545 | |
| ... and calculate decimal fraction equivalents... | N557 | |
| Identify the value of each digit in numbers given to 3 decimal places... | N561 (different game type) | |
| ...and multiply and divide numbers by 10/100/1000... | N538 (different game type) | |
| Multiply 1-digit numbers with up to 2dp by whole numbers | | N638 - N641 are differentiated |
| | | |
| Use written division methods.... | | N643 - N646 are differentiated |
| Solve problems which require answers to be rounded... | N559 (different game type) | |
| | N613 | |
| Recall and use equivalences between simple fractions... | N566 | |
| | N567 (different game type) | |
| RATIO AND PROPORTION | | |
| Solve problems involving the relative sizes of 2 quantities... | N543 | |
| Solve problems involving the calculation of percentages... | | N653 - N654 are differentiated |
| | | |
| | | |
| Solve problems involving similar shapes | | |
| Solve problems involving unequal sharing and grouping... | | |
| ALGEBRA | | |
| Use simple formulae | | |
| | | |
| Generate and describe linear number sequences | | |
| | | |
| Express missing number problems algebraically | | N663 - N664 are differentiated |
| Find pairs of numbers that satisfy... | | N665 - N666 are differentiated |
| Enumerate possibilities of combinations of 2 variables | | |
| | | |

*Bold numbers indicate games within this year pack.