

Swindon Village Primary School



Maths Curriculum

Whole School Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Foundation Stage*	Choral counting Group counting Continuous provision counting Counting 5, 4, 6, 7 (2D shape in Numberland)	Counting 8,9,10 Counting beyond 10 Number land	Compare Order Find one more Weight Capacity Addition and	Add Find one less Take away Time 2D shape money	Calculating with 5, Calculating with 6, Calculating with 7, Calculating with 8, Calculating with 9 3D shape Length Position Pattern Weight Addition and	Double numbers Share to solve problems Halve Capacity Time 2D shape Money Revit aspects from assessment Multiplication and
	Value: Up to 30 Geometry: Properties of Shapes Addition and Subtraction	value up to 100 Addition and Subtraction facts 7- 11 Geometry: properties of shape	Subtraction facts 11- 16 Measurement: Length	Subtraction facts 17- 20 Geometry: position and direction Measurement: Time	Subtraction Fractions	Division Measurement: Money Measurement: Mass and Capacity
Year 2	Number and Place Value Geometry: Properties of Shapes Addition	Subtraction Geometry: Properties of Shapes Multiplication and Division Geometry Position and Direction	Multiplication and Division (Times Tables) Measurement: Length and Mass	Fractions Measurement: Time Measurement: Money	Statistics Measurement: Capacity and Temperature	SECURE Place Value Addition and Subtraction Multiplication and Division
Year 3	Number and Place Value to 1000 Geometry: properties of shape	Multiplication and Division: Times Tables Addition: mental methods Subtraction: mental methods	Fractions Addition: written methods Subtraction: written methods	Multiplication and Division Measurement: Money	Fractions: Calculating Measurement: Time	Measurement: Length, Mass and Capacity Geometry: Properties of shape (angles) Statistics
Year 4	Number and Place Value Geometry: Properties of Shapes	Multiplication and Division: including Multiplication Tables Addition: Mental Methods Subtraction: Mental Methods		Multiplication and Division: Times Tables Addition and Subtraction: written methods	Multiplication and Division Properties of shapes: Angles Decimals	
Year 5	Number and Place Value Decimals Geometry: Properties of Shapes	Addition and Subtraction Multiplication and Division: Powers of 10 Multiplication and Division: Properties of Number	Multiplication and Division: Written Methods Geometry: Position and Direction	Fractions, Decimals, and Percentages Measurement: Length, Mass, and Capacity	Fractions: Calculating	Measurement: Area and Volume Geometry: Properties of Shapes (Angles) Geometry: Properties of Shapes Statistics
Year 6	Number and Place Value Multiplication and Division Addition, Subtraction, Multiplication and division Geometry:Position and Direction	Fractions, decimals and percentages Geometry: Properties of Shapes Angles Addition, Subtraction, Multiplication and division	Fractions: calculating Decimals: Calculating	Ratio and proportion Measurement: converting units Measurement:area and volume Algebra	Statistics Targetted revision for SATs	SECURE Fractions, decimals and percentages Algebra Ratio and Proportion

Mathematical Mindsets

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of coins and notes Recognise

and use language relating to dakes, including days of the week, weeks, months and years.

> past the hour and draw the hands on a to the hour and half

Tell the time

and three-quarter

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clock face to ghow

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Mathematical Mindsets

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Yeightfulley, tomospycm, morning, afternoon

bagin to record the following, langths and heights, mass/weight, copacity and volume with the support of the lejion by coloubiling the using contrinte objects, hypresentations and Meadure and mathematical dideements involving addition (+), subtraction (-) and equal (=) signs describe and solve practical problems for lengths and heights, Read, wife and interpret moss or weight, Compare, inditi outhert, using contratute obligation and phinories impresentations, and missing manching problems such as 7 = 7 - 9 one-step problems that involve addition a one-digt and two-digt numbers to 20, including zero. Add and Bubtract rumber bonds and related subtraction facts within 20 Represent and use numbers from 1 to 20 in rumetrals and worlds. 100 in numerols, count in multiples of twos, fives and tens or and write numbers to Read and write from any given number find and name a half as one of two equal identify one more Given a number, parts of an object, ghape or quantity and one less Recognise, Andrewsork Transcers using objects and toylesentrations including the runder inc., and use the balguage of equal to, more than, less than (fewer) ind across 100, forwards and Degititriing with backwards, Count to most, least Identify 0 or 1,

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Recognise

different denominations and know the value of

Recognise

Term 2

of coins and notes

and use language relating to dates, including days of the week, weeks, months and years.

to the hour and half past the hour and draw the hands on a clock face to show

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Mathematical Habits

these times

Tell the time

position, direction and movement, including whole, half, quarter and thyree-quarter

name a quarter as one of four equal parts of an object, shape or quantity.

Recogniee, find and

Describe



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Mathematical Mindsets

involving addition (+), subtraction (-) and equ practical problems for lengths and heights, mass or weight, describe and solve mothematical state E Segre sakky action, using constante objects and jektories jupi sesembolisms, and messing mandag politicits, that throne addition and Add and subtract one-digt and two-digt numbers to 20, including zero. Represent and use rumber bonds and related subtraction facts within 20 Count, prend and wpite numbers to 500 in numerals, count in welliples of twos, fives and tere or numbers from 1 to 20 in numerals and Read and wife from any given riamber identify one more Given a number, and one less choriot representations including the number line, and use the offid hyptrojestit exhetti usittig objectti offid and across 100, forwatds and backwards, beginning with Count to Eduntify 0 or 1,

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Reasoning

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shape or quantity

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Recognies Term 3

and know the value of different denominations

Recognise

of coins and notes

and use longuage relating to dates, including days of the weeks, weeks, months and years.

to the hour and half pask the hour and draw the hands on a clock face to show

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Mathematical Habits

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position, direction and movement, including whole, half, quarter

of four equal parts of an object, shope or

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Recognise, find and

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Mathematical Mindsets

bagin to record the following, lengths and heights, mass/weight, capacity and volume, Measure and describe and solve practical problems for lengths and heights, mass or weight, mothematica statemen involving addition (+), subtraction (-) and equ Read, write and interpret (I) signe indity autient, unity contrapte objects and pictories hyperesentrations, and missiby humbay peoblems such as 7 = 7 - 4. Š Year 1 Add and suttract one-dipt and two-digit numbers to 20, including zero. Represent and use rumber bonds and related subtraction facts within 20 100 in ruimerale, count in walkples of twos, fives and tens or from any given ruimber numbers from 1 to 20 in numerals and and write numbers to Read and write words. find and name a half as one of two equal identify one mone parts of an object. Given a number, Shape or quantity and one legs anguage of equal to, mo shaft, tess than (fewer) nest, teast and across 100, forwards and backwards, beginning with Count to Eduntify 0 or 1,

different denominations and know the value of of coing and notes Recognise and use language relating to dates, including days of the week, weeks, months and years. Term 4

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Describe

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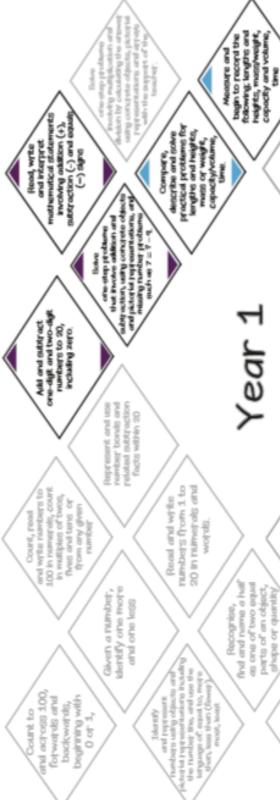


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Term 5

position, direction and movement, including whole, half, quarter and three-quarter

and know the value of different denominations of coins and notes.

Recognise

and use language relating to dates, including days of the week, weeks, months and years.

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clock face to ghow thvese times



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Mathematical Habits

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Mathematical Mindsets

to Lio puo Ruspoupissa alia nopi fispoipo apalouso Rajen Ruo anji Rajepropo Aj usesavgi uo usejionikijona Barasva, begin to record the with the support of the teacher. Meagure and ad displa-out Read, write and interpret mothematical gratements involving addition (+), subtraction (-) and equals detacytive and solve practical probleme for lengths and heights, mass or weight, capacity/volume, (-) 6gns Compare, othe-step pt-oblemen that through one designed suitty-authori, using contraptes oblemes and pulcopial registerins are more registerins and majority transfers performed majority manifors profit may be a mach as 7 = 7 = 4. Bohve Add and subtract one-digt and two-digt numbers to 20, including zero. Represent and use rumber bonds and related subtraction facts within 20 Count, read and write numbers to 300 in numerate, count in multiples of twos, numbers from 1 to 20 in numerals and Read and wife fives and tens or from any given rvamber words identify one mohe Given a number, and one less **Recognise**, Annicate of the control of the contr tanguage off equal to, more thats, tess than (Sewer) most, tess and across 100, backwards, beginning with forwards and Count to Identify 0 or 1,

Fluency

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find and name a half as one of two equal parts of an object,

Shape or quantity

following, lengthe and heights, mass/weight, copacity and volume,

> > Describe position, direction and movement, including whole, half, quarter

of four equal parts of an object, shape or

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Recognise, find and

and three-quarter

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Tell the time



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and describe the properties of 9-0 shapes, including the number of

common 2-0 and 3-0 shapes and everyilay

objects

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Year 2

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Compare

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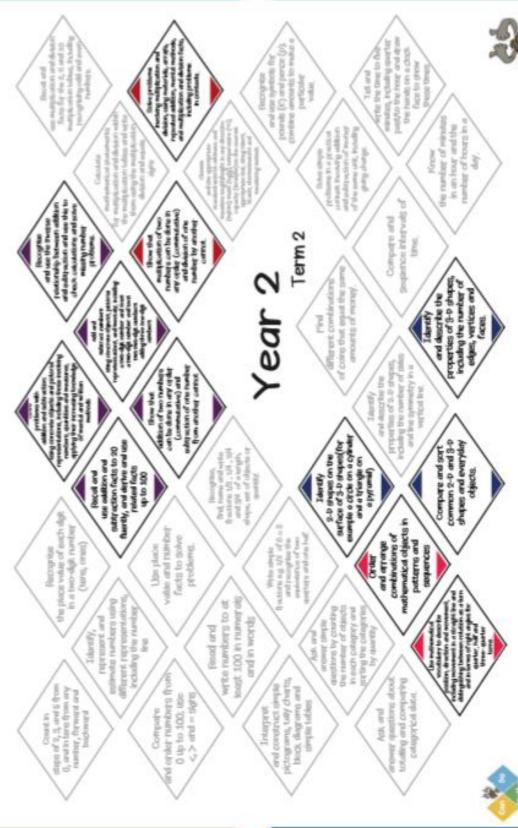
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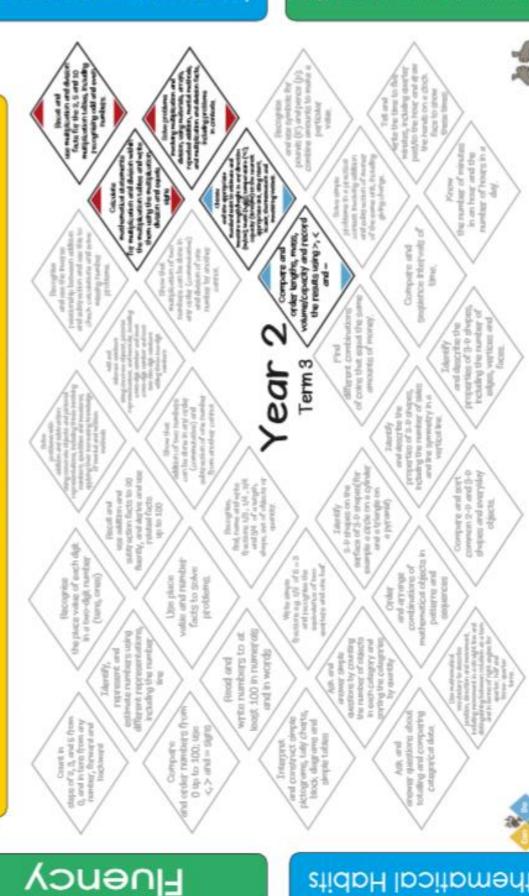


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Mathematical Mindsets

pounds (E) and perce (p) continue amounts to make perticider the hands on a clock mirutes, including quer past/to the hour and d face to show the number of minutes in an hour and the number of hours in a day. Compare and Sequence intervals of ğ of coine that equal the same amounts of money. properties of 8-trahupes, including the mamber of faces. and describe the Ě Term 4 including the number of common 2-0 and 3-0 shapes and everyday objects. use addition and siderant facts to 00 flearthy, and derive sent size related facts up to 100 up to 100 up to 100 up first name and write fractions 45: 54: 34 and 54: of a largel, shape, set of otpode of surface of 5-b shapes(fby Compare and port 8-P-dhighes on the feed and the place vistal of each dek White simple fractions of 1/2 of 6 = 3 and prooping the expectation of two questions and one half combinations of otherwick objects in value and number facts to solver in at towo-digit, number and errange productions and (Samil, ories) Oper plance Orthur gglimute numbery; uping diffurent representations, write numbers to at least 100 in numerols including the number represent and and in words Road and rangway quaptions, docut tokuling and companing consignities date. order numbers from pictograms, tally chapts, thock, dagrams and Crush in stape of 3, 3, and 6 from 0, and in tarts from any remitter, flipward and and complexes alrepte 0 up to 100; upo orbit -- titgro gitry tubbes Dylangsraf Compate Apply, and

Solving Problems

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Mathematical Mindsets

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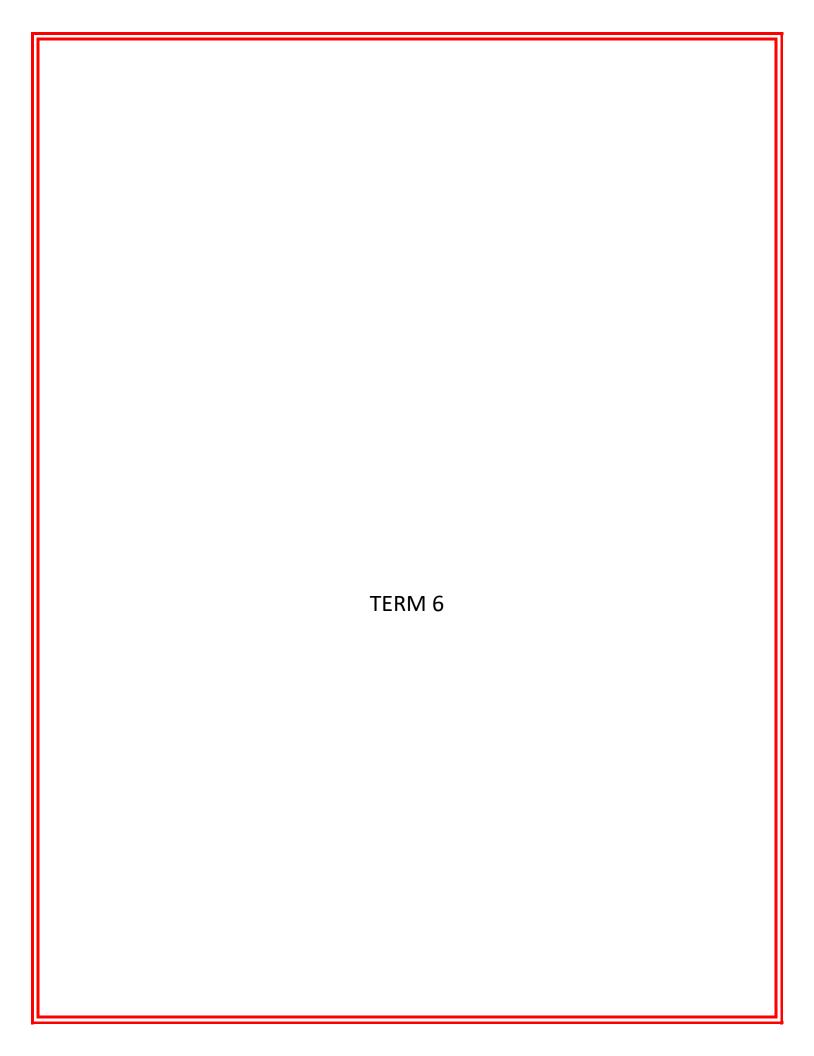
mërshen, hickading quertar pestifito fine hostr amil dram the hands on a clock face to grow Agitar the three to fi priends (C) end periods for Toll and scoprish off. portición perficient to a practice corrupt inventing utilizers and adequation of number of the came unit, building gaing change. dom othy the match and order volume/capacity and people the pessits Southernor intervals of readighation of two transless control detects any upder (commutation) and design of one transless by absolute Recognise and case the Present recoloration the presents addition and make cathers and variety as the 11st observe consistents and mines Compaire and HBY 3/4 ord =: Compare Si di of coins that equal the pamp diffaront combinations Year 2 amounts of money Ē Term 5 including the namber of plates properties of 2-2 shipes, and the speedity is a and Associtive the sately actions fracta to 30 Standay, and derives and time polation fracta S-b dispess on the surface of 5-b simposs (fire countyte is citize on a cylenter end of thingle on Birk, tromes omit vertice. Syncholin 4,25 + 1,94 , 3,94 sent 3,94 - of syncholin op always, sast of objancia op Recoil and Sandly up to 100 the place was of each digit combinitions of mathematical objects in With displace in a two-dig. namber value and number facts to solve and arrange potterne and (harns, cenas) Use place Нисодиви prothene Orther eptimote numbers uping different representations loost 100 in namerals the number of ottacts in each cotagery and parting the cotageries with numbers to at questions by counting including the number evpewinent and and in words Road and by quartity 3 and construct simple pictograms, tally charts, bock, dayrams and simple totales answer questions about totaling and comparing catagorical data. and option numbers from filippo of S, S, and S from S, and in toma from any namber, forword and 0 up to 100; upo C> artid = Digris Interpret Compare Ask and Count In

Solving Problems

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uge multiplication and division facts for the g. and 8 multiplicatic subtract amounts of Rocall and trabbes Add one this partinettay of simple 2-b shapes Medgure Ocepan, all and subtract implie (micrimal) num (BB): waters (Cabric) Year 3 inverte operations to culculation and upe the arthwer to a check, attorets sakili tas to tievae digits, sailey the tievae digits, sailey the figment werkton wasticolts of contensor and write numbers up to 1000 in numerals and in marchigo, veil, froptions and non-unit fractions and vape finactions vap with pmol Read WORK the place value of each dgt in a three-dgt number problems and practical problems dograms, equivalent fractions with small involving these ideas number (hundred) orld show, itshig terre, ornes) **Recognition** Photogration Solve freceptive that tentities orbit from dividing an object into 10 equal parts and in dividing one digit numbers estimate numbers repregentations represent and uging different and down in tariffe. Identify, or quantities by 10 count up fine and write fructions of a discrete new for delections and fluctions and men-unit fractions with small and order numbers up to O in multiples of 4, 8, 50 and 100, finding 10 or 100 more or less than a given Court from number 1000

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Reasoning

Term 1

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the Steet from an analysis of the Steet St danations of events Compare muteriolis, recognise 3-0 shupes in different orientations, and describe -b ghapen uging modelie shapes and mak

> and pregent data uping bar charts, pictograms and

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Mathematical Habits

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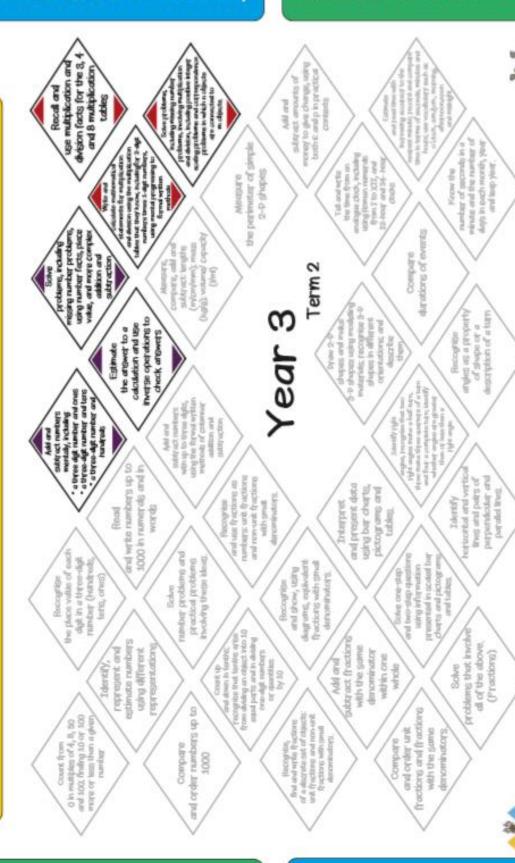
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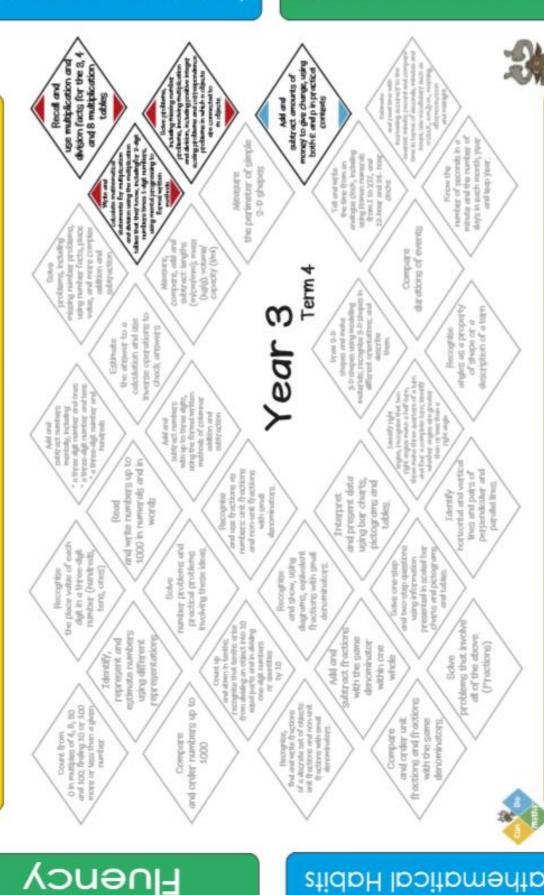
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division facts for the 8 money to give change, using both E and p in process uge multiplication at and 8 multiplicatio subtract amounts of Recall and trables Add and number of seconds in a minute and the number of the perimeter of simple виду управен извиду уви State (Seven namerals from I to XXI, and 13-brow and 94-brow and test year 2-0 ghapes Medsure durations of events Minesser II, compart II, add and substract. Nergits (reforeferen); reass (highl); volumes copocit (her) Compare volue, and more co Year 3 mutaristic roccigniae 5-9 shapes in different amples as a phopethy р аумрен чайна тофий ч description of a turn nverse operations to Charte and metal of ghape of a colculation and use the answer to a check answers Recognibe Estimate with up to thrue digits, using the formal written methods of columns and write rumbers up to 1000 in numer de and in numbers unit fractions perpendicular and hoptoontal and wertic and non-unit fractions lines and pains of and prepent data uging bor charts pictogramg and potrafed firms Identify Infampiret Road WOTOS the place value of each vanities problems and and show, using dagrams, equivalent fractions with small presented in soded bur digt in a three-dat practical problems number (handrods verte and pictogram notional information Pwoking these lde data-auo avio denominators bertt, orled) Recognition Recognide Processing that tands arise from disking an object into 10 equal ports and in alviding problems that involve estimate numbers Jubtract fractions all of the above with the same represent and representations uging different denominator (Proctors) within one Add and Identify, Sohre whole Count from O in multiples of 4, 9, 10 and 500; finished 10 or 100 mosts or less than a gives fractions and fractions and order numbers up to of a discrete set of objects and if actions and non-sent if actions with small with the same enominators Compare 1000

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division facts for the 3. money to give change, upin boths: and p in practical uga multiplication an and 8 multiplication subtract amounts of Recall and Add and number of seconds in a minute and the number of days in each month, year the parimeter of simple analogue clock, including using florman namerals from I to XIII, and 19-hour and 24-hou and leap year Know the 2-0 ghapes Medsure dods uping member flacts, place value, and more complex durations of events Menture, comported and and addressed tanging (mylorymen); mass masky namber prob Compare capacity (Vivil) Year 3 othabes as a phoperty departition of a top Prettle operations to S-D (Poppie and Poppie S-D (Poppie series) of shape or a colottotron and tipe the ambiver to a thack attorns Anti and state of same series with up to three defin, using the fighted nytiton moderate of cotemner middlen and substruction and write numbers up to 10000 in numerals and in numbers unk fractions and non-unk fractions with gmal scrinorital unit vegtic perpendicing and lihes and pains of and use fractions as and pregent data uging bor charts. pictograms and parallel lines Libertify ntempret WCY'd the place value of each digh in a three-digh number (handredt) number problems and presented in soded but dingrates, equivalent fractions with small practical problems verte and pictogram and show, using involving these ide Recognition Recognities Solve Processing that tenths arise from disking an object this 30 equal parts and in disking problems that involve all of the above. ubtract fractions egitimute numbers with the same represent and Count sp nd down in lander, uging different repregentation derrominator (Fractions) Add and within one Identify, Solve whole and order numbers up to fractions and fractions of a discrete set of objects: unit fractions and non-unit fractions with small O in wulliples of 4, 8, 50 and 3,00. flushing 10 or 3,00 more or legs than a given, and order unit with the game demonstratory Compare Compage Count from

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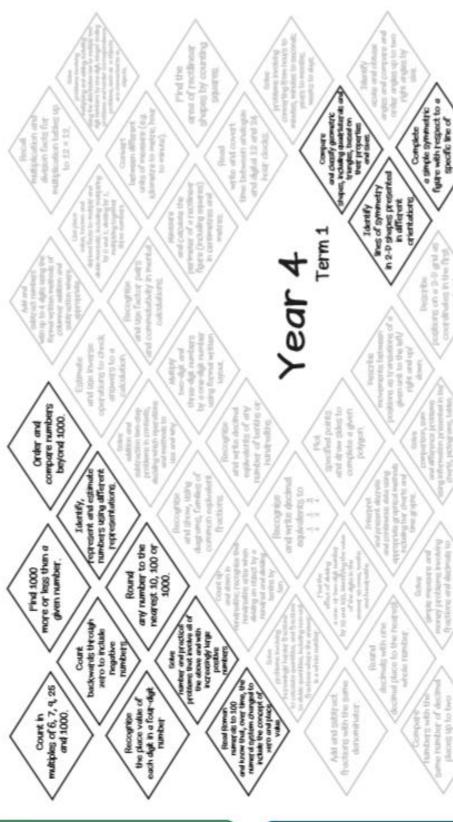


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great of rectiness shapes by countin ergin and company orthe argum up to right argum by Find the Sphriffes a simple symmetric fight with respect to a specific line of division facts for multiplication tables units of manuary (44) and dight 12 and 24 hoth clocks withe and covert refre to metre. to 12 × 12 in 2-b glupes presented in different objects on a 2-P grid at committability in menta Term 2 and tige inverse operations to check plant; as tymglation; given unit to the tell, answers to a wamanta bab right and up/ Pescribo compare rumbers and wife decimal number of larible o equivoletts of any and drow pides to complete a given specified points beyond 1000 Order and polygon, and write decimal ot straipvilpa Secognise more or less than a given number. очиу ргодата тмомиц any number to the nearest 10, 100 or Chimity and decimals Bound 1000 christ place to the hear backwands through zero to include decimals with one whole number Dogothe Count Rosand the place value of each digit in a foult-digit rule of fractions with the same 7,4,26 othe Nahber of decima Add and published Vanibers with the owt of dil secold demonstrator multiples of 6, 7, and 1000.

Solving Problems

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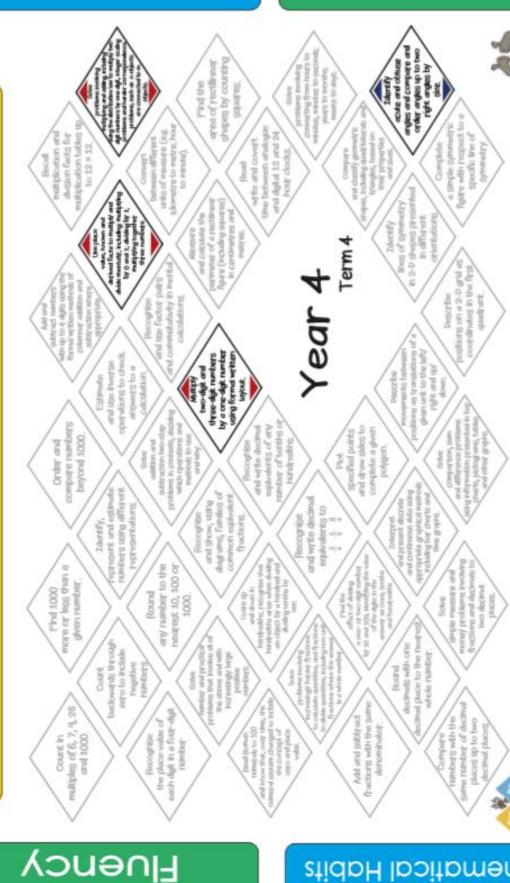
ghapes by counting gree of redthroot acute and obtage angles and compare opike angles up to right angles by Find the time between ahalogue stups of Heastern (e.g. and dight 12 and 24 muRiplication tables multiplication and division facts for wifte and covert methre to methre. to 12 × 12 in 9-9 shapes presented in different Term 3 and commutativity in mental and uge factor pags colculations by a contraligit number options as translations given unit to the laft operations to dveck and uge inverse ath@wellS to a oververts betw right and up/ calculation Department Estimate number of tenths or compania numbers orst withe decimal enplivatority of any and draw tides to complete a given goodled points beyond 1000 Order and Handrodthe polylloch numbers seing different and show, using dagrams, families of and write decimal eprepart and epin equivolents to adjulional Identify, any number to the more or legs than a nourest 10, 100 or given number Round 1000 Stred place to the there's Flamber and practical problems that invelve also the atoose and with increasingly large positive. bockwards through decimals with other servo to include whole number Progother Round numbers Course 923 fractions with the game the place value of each digit in a four-digit Add ond subtract demonstrator multiples of 6, 7, and 1000. Recognise Countin



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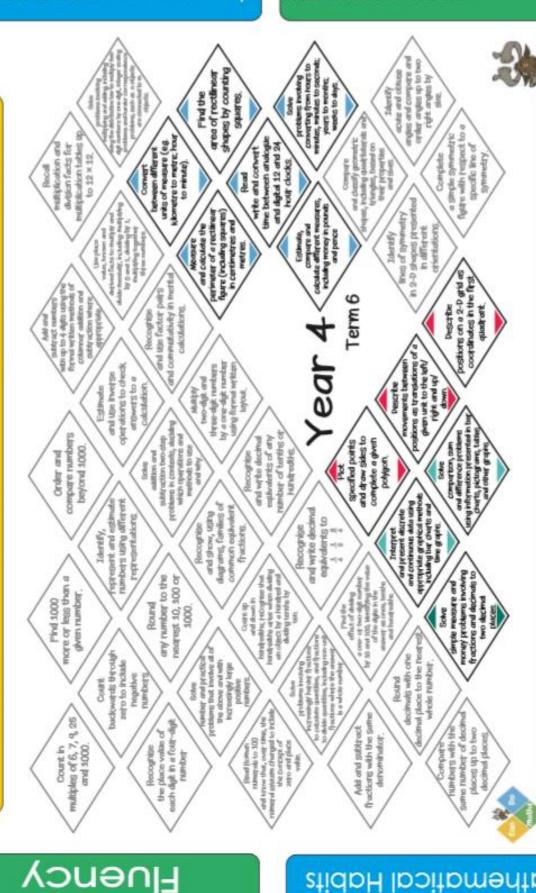
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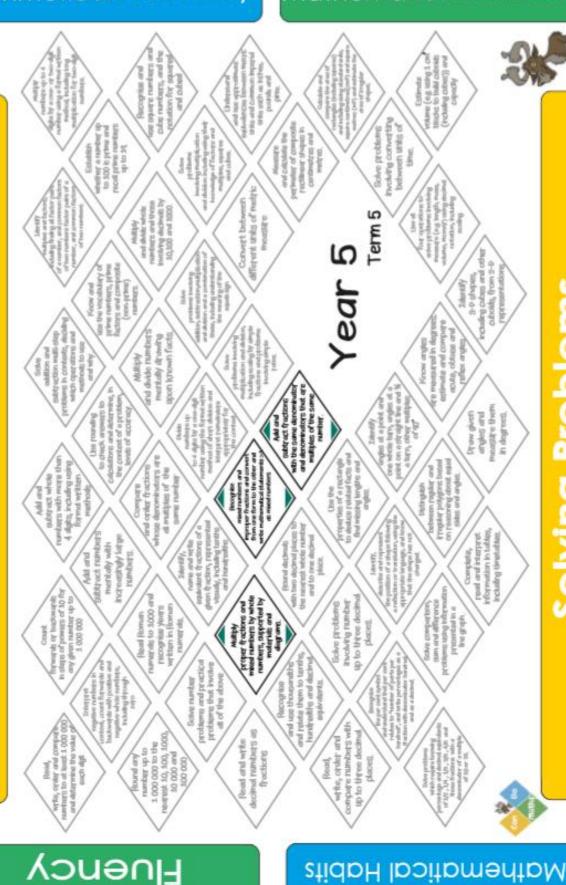
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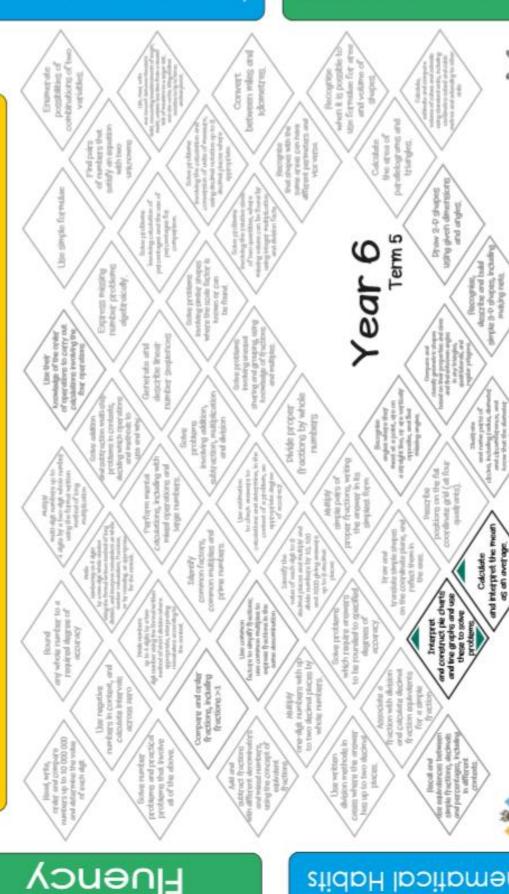
between miles and when it is possible use formulae for at possibilities of combinations of to and volume Recognition variables Convert the grea of paralleligrams and triangles. Becognies that shapes with the same areas can have different permutates and sotisfy on equation with two Calculate **UTB, FOWTIG** Use simple formula up usold Russ innd angle Draw 2-D Year 6 Involving Similar Shapes where the scale factor it known or can be frama Express missing number problems digesty-aically number Sequences Generate and describe linear fractions by whole DMde proper rumbers proper fluctions, writing the answer in to positions on the flat cooydinate grid (at fixer common multiples and Talentity common factors, att all average Dynam and md interpret the which require angwern to be rounded to specified Pound ny whole number to a required degree of to two decimal places by numbers in contest, and colouling intervels Compute and order fractions, including fractions > 1. Upe negative Order and company returns up to 10 000 000 of detayment the value division methody in spes where the anower to up to two duck Upp wykten

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