

Progression of Mathematical
Vocabulary at St Anthony's by topic
focus.

Taken from Essential Maths 2.0.

Number: Counting and number properties

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
backwards count / counting digit even forwards none number numeral odd one, two <i>up to and beyond twenty</i> pattern subitise zero	count on countback twenty-one twenty-two twenty-three twenty-four <i>up to</i> ninety-nine steps of multiple	count in multiples hundreds numeral step counting	one hundred and one one hundred and two one hundred and three <i>up to</i> one thousand ascending decimal / decimals decimal notation descending integer / integers	negative numbers positive numbers Roman numerals (up to 100 / C) thousands	ten thousand hundred thousand millions complement composite (non-prime) cube / cubed / $(d)^3$ cube number integer power / powers of prime number Roman numerals (up to 1000 / M) square / squared / $(d)^2$ square number	millions ten million

Number: Place value, ordering and comparing

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
after before compare different end equal to in between less / less than many middle more / more than nearer next not equal one less one more order pattern same sort start	above amount below benchmark bigger / biggest close to column consecutive different digit digit equal / equal to / = equivalent estimate far fewer/ fewer than fewest fifth first fourth greater than > greatest hundred larger / largest least less than < most near / nearer number line	digit equivalent estimate estimation greater than > half-way less than < mid-point partition place holder place value quartile three-digit	approximately / \approx nearest hundred nearest ten nearest whole round / rounding / rounded three-digit	four-digit nearest thousand	equivalence linear sequence nearest hundred thousand nearest million	interval multi-digit

	one / ones one-digit order same second sequence size smaller / smallest sort ten / tens third twentieth two-digit <i>up to</i> value					
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Number: Calculation

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
add altogether difference double group half left make part regroup share take away total whole	add / addition / + addend array bar model bonds combine distance between double / doubling / doubles each equal equally facts group / grouped grouping groups of half / halving / halves how many how much left / leftover lots of minuend minus missing number problems multiple / multiples number bond number sentence pair	calculate calculation combination commutative divide divisible division fact family increase inverse mental method multiple / multiples multiplication multiplication table multiply / multiplied product rebalancing reduce remainder reordering repeated addition times tables written method	associative law base fact column addition column subtraction comparison correspondence decomposition derived facts distributive law divisible formal written layout integer scaling inverse operations long division multiple(s) product quotient remainder scaling short multiplication statements	derive distributive law factor factor pairs methods operation / operations	common factor dividend divisor long multiplication prime factor short division	abstract BIDMAS brackets common multiples long division order of operations variables

	plus problems regroup / regrouping remainder share / shared sharing start / change/ result subtract / subtraction / - subtrahend sum take away / taken away times total / in total twice as unequal unknown					
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Fractions

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
double equal half not equal part share whole	bar denominator equal / equally equal parts group / groups grouping half / halve / halves numerator one-quarter part quarter / quarters same size sharing three-quarters two-quarters whole fraction notation $\frac{1}{2}$ $\frac{1}{4}$	denominator equivalent / equivalence half as much numerator one and a half one and a quarter one and three- quarters one and two- quarters one whole one-third third twice as much two-quarters two-thirds fraction notation $\frac{1}{3}$ $\frac{2}{4}$ $\frac{3}{4}$	continuous discrete eighths fifths ninths non-unit fraction order sevenths sixths tenths unit-fraction	convert decimal equivalents decimal places decimal point hundredths improper fractions proper fractions proportion	mixed numbers per cent / % percentages thousandths	degrees of accuracy simplify

Measurement: Time

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
after afternoon before days of the week Monday Tuesday Wednesday Thursday Friday Saturday Sunday earlier evening every first in a minute later morning night-time then tomorrow too late too soon yesterday	after afternoon before birthday chronological order clock / clock face day Days of the week Monday Tuesday Wednesday Thursday Friday Saturday Sunday evening fast / faster / fastest half past half past hour hour minute minute minutes past / to Month Months of the year January February March April May June July	analogue anticlockwise clockwise five / ten / past / to intervals of time midday midnight noon quarter past / to	12-hour clock 24-hour clock am (<i>ante meridiem</i>) analogue clock digital digital clock duration event leap year pm (<i>post meridiem</i>) Roman numerals to XII	conversion convert		

	August September October November December morning new / newer night o'clock old / older quarter past / to quick / quicker / quickest second slow / slower / slowest today tomorrow watch week weekday weekend year yesterday early earlier late / later Time					
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Measurement: Mass

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
heavier / heavier than heavy light lighter / lighter than weigh weight	balance gram heaviest kilogram lightest mass (weighing) scales	kilogram (kg) scale			pound (lb)	ounces stones

Measurement: Length

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
bigger longer shorter smaller taller thinner wider / fatter / thicker	centimetre distance far height long / longer / longest measure metre narrow / narrower/ narrowest short / shorter / shortest tall / taller / tallest wide / wider / widest	centimetre (cm) metre (m) millimetre (mm) scale standard units width	length millimetre (mm) perimeter	area dimensions kilometre (km) rectilinear figure	centimetre squared (cm ²) composite compound shape foot / feet (ft) Imperial units inch / inches (in) metre squared (m ²) metric units mile yard	

Measurement: Capacity

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
empty full half full volume	capacity empty / emptier / emptiest full / fuller / fullest half half full less than more than quarter	litre (l) millilitre (ml) quarter full scale three-quarters full			centimetres cubed (cm ³) metres cubed (m ³) pint (pt)	centimetres cubed (cm ³) gallons metres cubed (m ³) millimetres cubed (mm ³)

Measurement: Money

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	amount coin / coins combination fifty pence five pence money note / notes one penny penny (p) pound (£) ten pence twenty pence two pence	amount change cost price value				

Measurement: Temperature

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		Celsius (°C) degrees scale temperature thermometer				Celsius (°C) degrees temperature thermometer

Measurement: Speed

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						kilometres per hour (km/h) metres per second (m/s) miles per hour (mph)

Geometry: Shape properties

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
circle pattern rectangle square triangle sides flat corners cylinder cuboid	2-D / two-dimensional 3-D / three-dimensional base circle / circles corner cube / cubes cuboid / cuboids curved / flat cylinder / cylinders diagonal heptagon / heptagons hexagon / hexagons kite / kites line octagon / octagons open / closed shape opposite pentagon / pentagons point pyramid / pyramids rectangle / rectangles side / sides sphere / spheres square / squares straight triangle / triangles	classify cone / cones edge / edges face / faces heptagon / heptagons hexagon / hexagons horizontal irregular line of symmetry mirror line octagon / octagons opposite pentagon / pentagons polygon / polygons prism / prisms properties quadrilateral / quadrilaterals regular surface symmetry vertex / vertices vertical	acute angle angle congruent degree / degrees horizontal internal angle obtuse angle orientation orientation parallel perpendicular polyhedral polyhedron quadrilateral reflection right angle right-angle triangle three-dimensions vertical	adjacent classify congruent decagon / decagons equilateral geometric shapes internal angle irregular isosceles nonagon / nonagons parallelogram / parallelograms protractor regular rhombus / rhombuses scalene trapezium / trapeziums	angles around a point diagonal diagonal irregular polygon missing angle net one whole turn (360°) point reflection reflex angle regular polygon straight line (180°)	circumference complementary angles composite diameter dimensions dissect / dissection exterior angle intersect net radius vertically opposite

Geometry: Position and direction

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
above backwards below behind beside between down forwards in next to on on top of over over through turn turn around turn towards under up	anticlockwise around beneath bottom clockwise close column direction far full turn half-turn in front of inside left middle movement near next outside position quarter turn repeated right row three-quarter turn to the side top underneath whole turn	angle anticlockwise arrange column compass east north right angle rotate rotation row sequence south straight line west	compass east north south west	axis / axes co-ordinates first quadrant grid label pairs of coordinates/ coordinate pairs plot scale translate translation x-axis y-axis	x-axis y-axis	co-ordinate plane four quadrants

Statistics

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		axis / axes block diagram block graph Carroll diagram category / categories comparing data frequent horizontal key pictogram scale sorting survey table tallies tally chart title totalling Venn diagram vertical	bar chart block graph continuous data discrete data frequent inferring interpret label scale survey title	graph inferring label line graph time graph variable x-axis y-axis	axis pie chart timetables two-way tables	average conversion graph convert data set mean pie chart variable

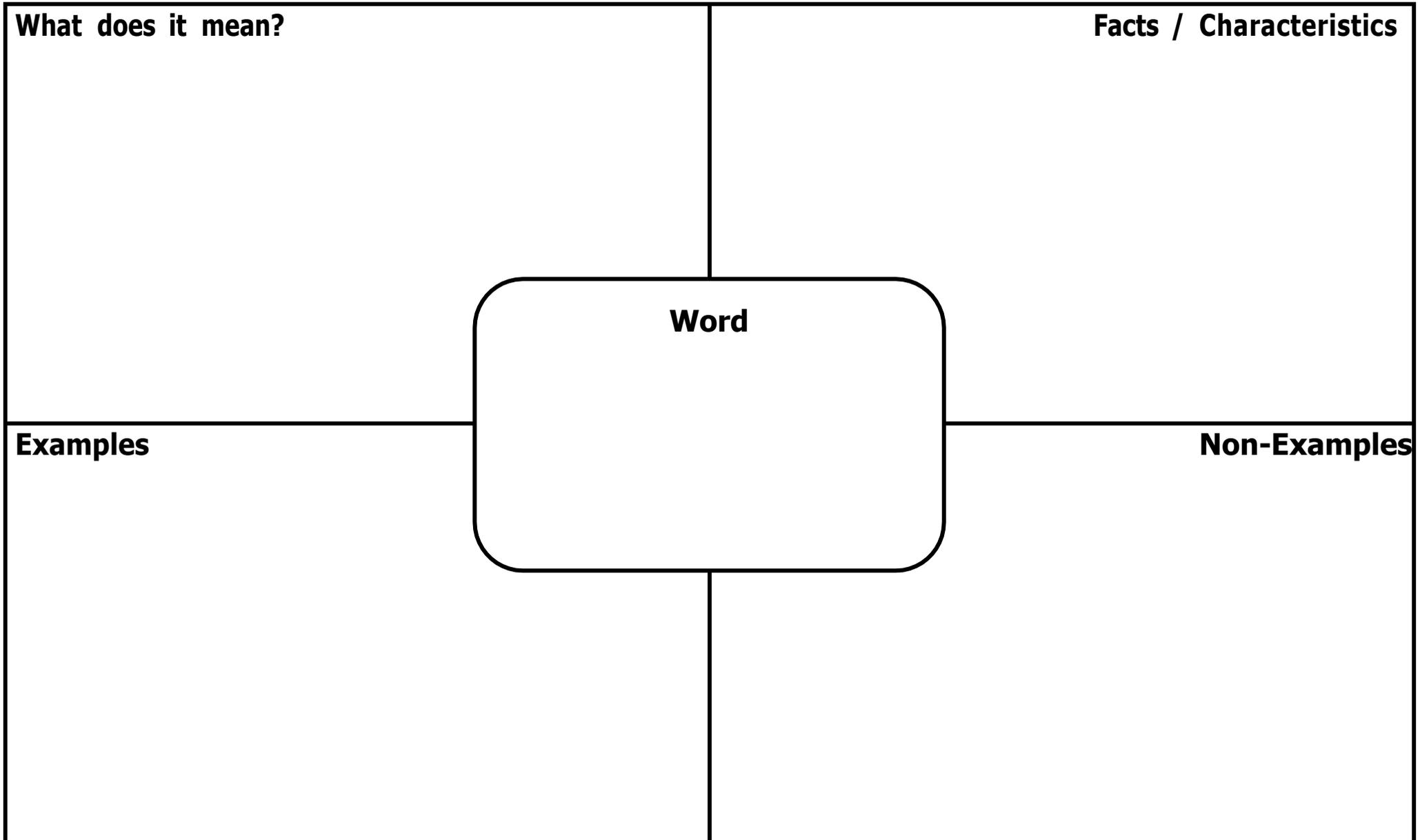
Ratio and proportion

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		for every times as many			per	comparison for every part to part part to whole per proportion ratio (a:b) relative size scale factor scale factor scaling times as many

Algebra

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				rule variable	equation	algebraic / algebraically combinations constant equation expression generalise letter rule sequence symbol unknown variable

Photocopiable resources



Where do you see this word in everyday life?	Mathematical symbols (if there are any)	
What does your word or phrase mean?	Word	Examples
What other mathematical words is it related to?	Non-Examples	