| Multiplication and division vocabulary |  |  |
| :---: | :---: | :---: |
| Term | Definition | Example |
| factor | a number that divides exactly into another number | $\begin{aligned} & \text { factors of } 12= \\ & 1,2,3,4,6,12 \end{aligned}$ |
| common factor | factors of two numbers that are the same | common factors of 8 and $12=1,2,4$ |
| prime number | a number with only 2 factors: 1 and itself | $2,3,5,7,11,13,17,19 \ldots$ |
| composite number | a number with more than two factors | 12 <br> (it has 6 factors) |
| prime factor | a factor that is prime | prime factors of $12=$ 2, 3 |
| multiple | a number in another number's times table | multiples of $9=$ 9, 18, 27, 36... |
| common multiple | multiples of two numbers that are the same | common multiples of 4 and $6=12,24$... |
| square numbers | the result when a number has been multiplied by itself | $\begin{aligned} & 25\left(5^{2}=5 \times 5\right) \\ & 49\left(7^{2}=7 \times 7\right) \end{aligned}$ |
| cube numbers | the result when a number has been multiplied by itself 3 times | $\begin{gathered} 8\left(2^{3}=2 \times 2 \times 2\right) \\ 27\left(3^{3}=3 \times 3 \times 3\right) \end{gathered}$ |


| Fractions, decimals \& percentages |  |  |  | Angles |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1/100 | 0.01 | 1\% | $\div 100$ | full turn | $360^{\circ}$ |
| 1/20 | 0.05 | 5\% | $\div 20$ | half turn | $180^{\circ}$ |
| 1/10 | 0.1 | 10\% | $\div 10$ | right angle | $90^{\circ}$ |
| $1 / 5$ | 0.2 | 20\% | $\div 5$ | acute angle | < $90^{\circ}$ |
| 1/4 | 0.25 | 25\% | $\div 4$ | obtuse angle | $>90^{\circ}$ |
| 1/2 | 0.5 | 50\% | $\div 2$ | reflex angle | $>180^{\circ}$ |
| 3/4 | 0.75 | 75\% | $\div 2$ $\div 4 \times 3$ | angles on a straight line | $180^{\circ}$ |
| /4 | 0.75 | 75\% | $\div 4, \times 3$ | angles inside a triangle | $180^{\circ}$ |
| 1 | 1 | 100\% | $\div 1$ | angles inside a quadrilateral | $360^{\circ}$ |

perimeter = measure around the edge (circumference = perimeter of a circle)

| horizontal line |
| :--- |
| vertical line |
| parallel lines |
| perpendicular lines |
| (at right angles) |


| Measurement conversions |  |  |  |
| :---: | :---: | :---: | :---: |
| Month | Days | 1 centimetre | 10 mm |
| January | 31 | 1 metre | 100 cm |
| February | 28 (29 in leap year) | 1 kilometre | 1,000 m |
| March | 31 |  |  |
| April | 30 | 1 mile | 1.6 km |
| May | 31 | 1 kilometre | 0.625 (5/8) mile |
| June | 30 |  |  |
| July | 31 | 1 kilogram | 1,000 grams |
| August | 31 |  |  |
| September | 30 | 1 litre | 1,000 millilitres |
| October | 31 |  |  |
| November | 30 |  | rdinates |
| December | 31 |  | ates along the x a |
| 1 year $=365$ days ( $\approx 52$ weeks) Leap year $=366$ days |  | (horizontal) (vertical). E.g. (3 | rst, then the $y$ axis 4) = go right 3, dow |


| 3D shapes | square-based pyramid |  | triangular prism |
| :---: | :---: | :---: | :---: |
| faces <br> (the flat sides) | 5 | 4 | 5 |
| edges | 8 | 6 | 9 |
| vertices <br> (the points where the edges meet) | 5 | 4 | 6 |

Volume = the amount of space a 3D shape takes up, usually measured in $\mathrm{cm}^{3}$ or $\mathrm{m}^{3}$


Length

## The mean

The mean is a type of average. To find the mean, add up all the numbers and divide by how many there are. E.g. the mean of $4,5,3,4$ is 4 .
(Because $4+5+3+4=16$, and $16 \div 4=4$ )

| Subordinating Conjunctions | Coordinating Conjunctions |
| :---: | :---: |
| Joins a subordinate clause and a main clause. | Joins two independent (main) clauses. |
| While | For |
| After | And |
| Because | Nor |
| Before | But |
| If | Or |
| Though | Yet |
| Since | So |
| As | I am like ice cream and I like cake. |
| Because I go to school, I get to learn about grammar. | Noun Phrases - Gives detail about a noun but does not contain a verb |
| I get to learn about grammar because I go to school. | An ancient book in a leather sleeve was hidden in the library. |

## Commands, Questions, Statements and

## Exclamations

Commands begin with an imperative verb. Wash your hands.

Questions expect an answer in return. Did you enjoy the trip?

Statements tell the reader something. The leaves fall off trees in autumn.

Exclamations begin with how or what.
How lovely is that!
What a beautiful sunset!

Modal Verbs - show degree of certainty or possibility.
could, should, would, might, often, ought, can

YEAR 6 SPaG
KNOWLEDGE
ORGANISER

## Clauses

Main clause - A simple sentence that contains a subject and a verb. It makes sense on its own
I went to school.

Subordinate clause - Contains a subordinating conjunction. Adds detail to a main clause; is not a full sentence. The subordinate clause can appear at the start, end or middle of a sentence.

I went to school while my brother stayed at home.

## or

While my brother stayed at home, I went to school.

## Punctuation

Semi-colon (;) - joins two related independent clauses together Colon (:) - joins two related clauses or begins a list.
Dashes (-), brackets (), commas (,) Used within a sentence to add additional information.

The cat (that didn't belong to me) was black.

For possession - shows us that something belongs to the subject.

My Mum's bag.
The girls' bathroom.

For omissions/contraction - shows us that a letter has been missed out to create informality.

Don't do that. Do not do that.

## Synonyms and Antonyms

Synonym: words that have a similar meaning (big/large)

Antonym: words that have the opposite meaning (big/small)

## More Punctuation

Hyphen (-) - Creates compound words to give a clear meaning.

The man-eating shark.
The man eating shark.

Tenses - tells us when in time an action took place.

| Past | Present | Future |
| :---: | :---: | :---: |
| Simple Past I walked We saw You ran | Simple Present <br> I walk <br> We see <br> You run | Simple Future I will walk We will see You will run |
| Past Progressive <br> I was walking <br> We were seeing <br> You were running | Present Progressive <br> I am walking <br> We are seeing <br> You are running | Future Progressive <br> I will be walking <br> We will be seeing <br> You will be running |
| Past Perfect I had walked We had seen You had run | Present Perfect I have walked We have seen You have run | Future Perfect I will have walked We will have seen You will have run |
| (to have is perfect!) |  |  |


| Comma | Parts of speechPunctuation before inverted <br> comma |
| ---: | :--- |
| The child asked, "What are your plans for the weekend?" |  |
| Inverted Comma | Capital letter |

