

## Mathematics:

→ Read, write, order and compare up to four digit numbers, recognising the place value of each digit (e.g. how many 1,000s, how many 100s, how many 10s, how many 1s);

|   |   |    |    |     |
|---|---|----|----|-----|
| 1 | 5 | 10 | 50 | 100 |
| I | V | X  | L  | C   |

→ Read roman numerals:

→ Know key facts (see additional sheet);

→ Add and subtract numbers with up to four digits, using formal written methods of columnar addition and subtraction - see below:

Use place value equipment to model required exchanges.

| 1000  | 100   | 10    | 1     |
|-------|-------|-------|-------|
| Th    | H     | T     | O     |
| ●     | ●●●●● | ●●●●● | ●●●●● |
| ●●●●● | ●●    | ●●●●● | ●●●●● |

→

| 1000  | 100   | 10    | 1     |
|-------|-------|-------|-------|
| Th    | H     | T     | O     |
| ●     | ●●●●● | ●●●●● | ●●●●● |
| ●●●●● | ●●    | ●●●●● | ●●●●● |

→

| 1000  | 100   | 10    | 1     |
|-------|-------|-------|-------|
| Th    | H     | T     | O     |
| ●     | ●●●●● | ●●●●● | ●●●●● |
| ●●●●● | ●●    | ●●●●● | ●●●●● |

→

| 1000  | 100   | 10    | 1     |
|-------|-------|-------|-------|
| Th    | H     | T     | O     |
| ●     | ●●●●● | ●●●●● | ●●●●● |
| ●●●●● | ●●    | ●●●●● | ●●●●● |

Include examples that exchange in more than one column.

Use a column method to add, including exchanges.

|    |   |   |   |
|----|---|---|---|
| Th | H | T | O |
| 1  | 5 | 5 | 4 |
| +  | 4 | 2 | 3 |
| 7  |   |   |   |
| 9  |   |   |   |
| 1  |   |   |   |

→

|    |   |   |   |
|----|---|---|---|
| Th | H | T | O |
| 1  | 5 | 5 | 4 |
| +  | 4 | 2 | 3 |
| 9  |   |   |   |
| 1  |   |   |   |

→

|    |   |   |   |
|----|---|---|---|
| Th | H | T | O |
| 1  | 5 | 5 | 4 |
| +  | 4 | 2 | 3 |
| 7  |   |   |   |
| 9  |   |   |   |
| 1  |   |   |   |

Include examples that exchange in more than one column.

|    |   |   |   |
|----|---|---|---|
| Th | H | T | O |
| 2  | 4 | 0 | 2 |
| -  | 2 | 4 | 3 |
| 8  |   |   |   |
| 9  |   |   |   |
| 1  |   |   |   |

→

|    |   |   |   |
|----|---|---|---|
| Th | H | T | O |
| 2  | 4 | 9 | 2 |
| -  | 2 | 4 | 3 |
| 8  |   |   |   |
| 9  |   |   |   |
| 1  |   |   |   |

→

|    |   |   |   |
|----|---|---|---|
| Th | H | T | O |
| 2  | 4 | 9 | 2 |
| -  | 2 | 4 | 3 |
| 8  |   |   |   |
| 9  |   |   |   |
| 1  |   |   |   |

→ Be fluent with all times tables up to 12x12 (children should be able to recall the times tables in any order and know the inverse (division fact));

→ Examples of online activities:

<https://trockstars.com/>

<https://mathsbot.com/manipulatives/placeValueCounters>

| Month                          | Days                 |
|--------------------------------|----------------------|
| January                        | 31                   |
| February                       | 28 (29 in leap year) |
| March                          | 31                   |
| April                          | 30                   |
| May                            | 31                   |
| June                           | 30                   |
| July                           | 31                   |
| August                         | 31                   |
| September                      | 30                   |
| October                        | 31                   |
| November                       | 30                   |
| December                       | 31                   |
| 1 year = 365 days (= 52 weeks) |                      |
| Leap year = 366 days           |                      |

|              |                              |
|--------------|------------------------------|
| 1 centimetre | 10mm                         |
| 1 metre      | 100cm                        |
| 1 kilometre  | 1,000 m                      |
| 1 mile       | 1.6 km                       |
| 1 kilometre  | 0.625 ( $\frac{5}{8}$ ) mile |
| 1 kilogram   | 1,000 grams                  |
| 1 litre      | 1,000 millilitres            |

**Measure conversions**

**Angles**

|                           |      |
|---------------------------|------|
| full turn                 | 360° |
| half turn                 | 180° |
| right angle               | 90°  |
| angles on a straight line | 180° |
| angles inside a triangle  | 180° |

**YEAR 4 - KEY MATHS FACTS**



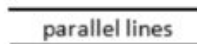
**Fractions, decimals, percentages**

|               |      |      |
|---------------|------|------|
| $\frac{1}{4}$ | 0.25 | 25%  |
| $\frac{1}{2}$ | 0.5  | 50%  |
| $\frac{3}{4}$ | 0.75 | 75%  |
| 1             | 1    | 100% |

**Shape**

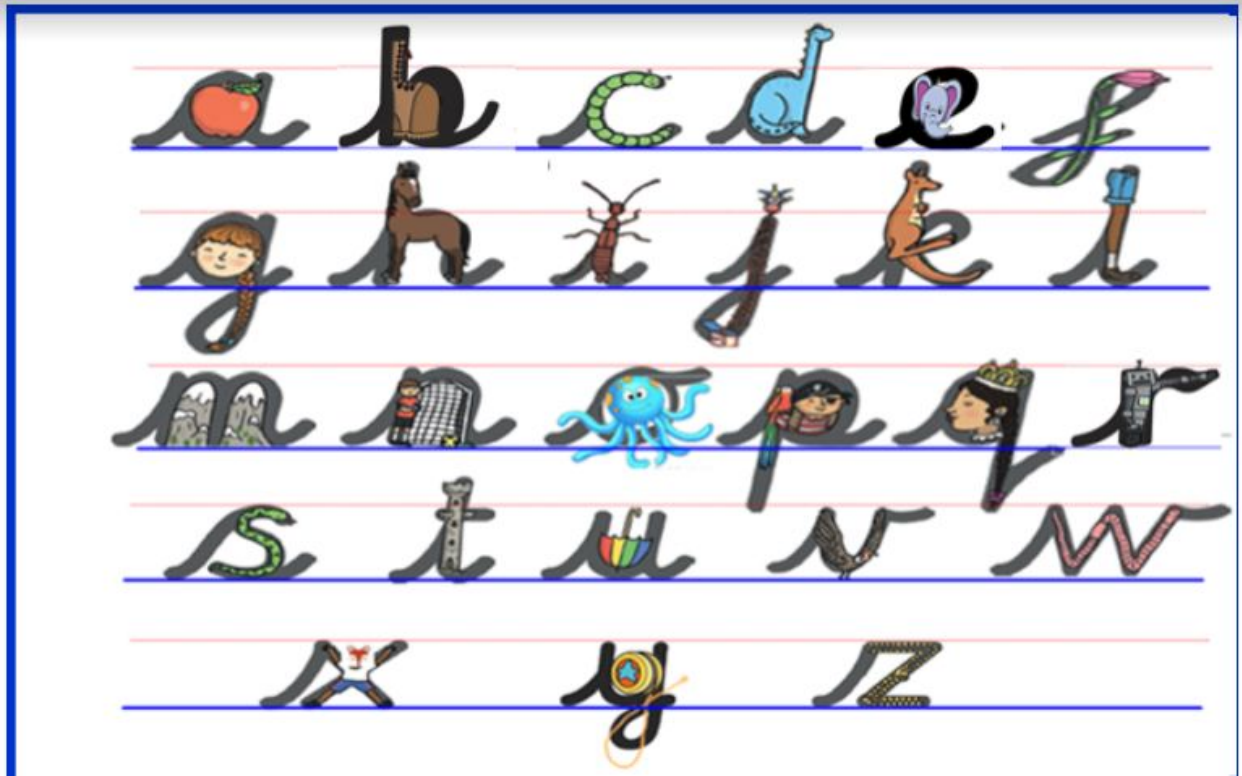
| Name          | No. of sides |
|---------------|--------------|
| quadrilateral | 4            |
| pentagon      | 5            |
| hexagon       | 6            |
| heptagon      | 7            |
| octagon       | 8            |
| nonagon       | 9            |
| decagon       | 10           |

polygon = shape with straight sides  
 regular = all sides/angles the same  
 irregular = sides/angles not same

horizontal line   
 vertical line   
 parallel lines 

**English:**

- Know Year 4 spelling rules (see Home-School diary) and recall rules and phonics from prior year groups
- Read daily a book of choice and reread pages to build fluency
- Regularly read a variety of reading materials and literature.
- Listen to a grown up read stories and ask and answer questions remembering question types (copy cat, text detective, you judge)
- Correctly form all letters of the alphabet using a cursive print and correctly join digraphs, trigraphs and letter strings.
- Spell all of the Year 3 and 4 wordlist
- Read and write the first 200 high frequency words



## Year 3 and 4 Statutory Spellings

|              |           |            |           |              |          |           |
|--------------|-----------|------------|-----------|--------------|----------|-----------|
| accident     | caught    | eighth     | heard     | minute       | possible | strange   |
| accidentally | centre    | enough     | heart     | natural      | potatoes | strength  |
| actual       | century   | exercise   | height    | naughty      | pressure | suppose   |
| actually     | certain   | experience | history   | notice       | probably | surprise  |
| address      | circle    | experiment | imagine   | occasion     | promise  | therefore |
| answer       | complete  | extreme    | increase  | occasionally | purpose  | though    |
| appear       | consider  | famous     | important | often        | quarter  | although  |
| arrive       | continue  | favourite  | interest  | opposite     | question | thought   |
| believe      | decide    | February   | island    | ordinary     | recent   | through   |
| bicycle      | describe  | forward    | knowledge | particular   | regular  | various   |
| breath       | different | forwards   | learn     | peculiar     | reign    | weight    |
| breathe      | difficult | fruit      | length    | perhaps      | remember | woman     |
| build        | disappear | grammar    | library   | popular      | sentence | women     |
| busy         | early     | group      | material  | position     | separate |           |
| business     | earth     | guard      | medicine  | possess      | special  |           |
| calendar     | eight     | guide      | mention   | possession   | straight |           |