Rasharkin Primary School
P7 - Within the area of 'Number' by the end of P7 a child of average ability, should be able to, know, understand and use*:

| Using Numbers (Place Value and Decimals) | Example pupil may be given <br> Digit - used to refer to the individual numbers, e.g. the digits 2,3 , and 4 make up the number two hundred and thirty four (234) |
| :---: | :---: |
| Recognise, read and write numbers beyond 99,999, including 2 and then 3 decimal places | Read a number from digits to words, e.g. 325,647.65-three hundred and twenty five thousand, six hundred and forty seven and sixty five hundredths |
| Recognise that the position of a digit indicates its value | In 7,823,548 the ' 3 ' is worth 3000 |
| Order a set of (increasing and decreasing) numbers with up to three decimal places | Write these numbers in order, starting with the smallest 23,254.21, 23,205.01 and 23,054.12 |
| Round numbers within 99999 to the nearest 10000,1000 , 100 and 10. | Round 672 to the nearest $10=670$ <br> Round 6524 to the nearest $100=6500$ <br> Round 26,742 to the nearest $1000=27,000$ |
| Approximate and round numbers with up to 3 decimal places to nearest whole, 1 or 2 decimal places | Round 672.35 to the nearest $10=670$ <br> Round 672.35 to the nearest tenth $=672.40$ <br> Round 672.356 to the nearest hundredth $=672.36$ |
| Estimate \& calculate percentage increase or decrease in price, using written method and calculator | A bag costing $£ 24$, is reduced by $25 \%$ in a sale. How much is the bag now? <br> Convert percentage to fraction: $25 \%=1 / 4$ <br> Find fraction of total: $£ 24 \div 4=£ 6$ <br> Subtract this From Original Price: $£ 24-£ 6=£ 18$ <br> Ans: $£ 18$ |
| Mentally calculate multiples of $10 \%$ of quantities | Find $30 \%$ of 140 as $(10 \%$ of 140$) \times 3=$ $14 \times 3=42$ |



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*NB: This does not include everything children will cover, but is meant to provide parents with a concise overview of suggested activities for pupils and parents

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| decide on most cost effective choice e.g. calculating total cost of a holiday using different payment schemes. |  |
| :---: | :---: |
| PROPERTIES OF NUMBERS |  |
| Know, understand, and use square, cube and triangular numbers. | Square Numbers, e.g. find area of a 4cm square piece of paper <br> Cube Numbers, e.g. find volume of 5cm cube $\begin{aligned} 5 \times 5 \times 5 & =125 \\ \text { so } 5^{3} & =125 \end{aligned}$ <br> Triangular Numbers (pictorial only) |
| Use negative numbers in calculations in everyday contexts. | Temperature in Rasharkin at 8am: <br> Tues $4^{\circ} \mathrm{C}$, Wed $-6.5^{\circ} \mathrm{C}$ <br> By how many degrees did the temperature change? |



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| Mentally add or subtract a 2 or 3 digit multiple of 10 to/from any 3 digit number | $\begin{aligned} & 700+130=830+8=838 \\ & 478-160= \\ & 400-100=300 \\ & 70-60=10 \\ & 8-0=8 \\ & 300+10+8=318 \end{aligned}$ <br> Please note: Different mental strategies will be introduced to the children but they will decide which one they prefer to use. Some children also have different strategies than ones taught and that is acceptable. |
| :---: | :---: |
| Written addition and subtraction | $0.75+2.106+8.2$ ( $4.2 .3-1.9$ |
| Use standard written and calculator methods to add and subtract | $\begin{aligned} & 0.750 \\ & 2.106 \\ & 8.200 \end{aligned}$ |
| numbers of any size including decimal numbers | $\frac{.8 \cdot \alpha}{11 \cdot 056}$ $2 \cdot 33$ |
| to 3 decimal places. | https://ccea.org.uk/learning-resources/help-your-child-maths/improve-your-childs-maths-skills/help-your-child |

## Useful Links

## Maths Dictionary

http://www.amathsdictionaryforkids.com/qr/qr.html
Helpful videos on a range of areas https://corbettmathsprimary.com/content/

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