PROGRESSION IS HIGHLIGHTED IN THE FOLLOWING DOCUMENT VIA BOLDED TEXT.
Based on Australian Curriculum, Assessment and Reporting Authority (ACARA) materials

| Year Level Indicators | vel descripitio | Sub-strands |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number and place value |  | Fractions and decimals |  | Money and financial mathematics |  | Patterns and algebra |  |
|  |  | Content descriptions | Elaborations | Content descripions | Elaborations | Content descripitions | Elaborations | Content descripitions | Elaborations |
| Foundation | 'In Foundation level, students play develop links between their immediate environment, everyday language and mathematical activity. <br> Students classify and sort objects into sets and form simple correspondences between them. They decide when two sets are of equal size, or one is smaller or bigger than another. They develop an understanding of the concepts number and numeral, count, order, add and share using small sets of objects <br> They create and continue simple patterns...,' | Establish understanding of the language and processes of counting by naming from 20 , moving from any starting point <br> (VCMNA069) |  | N/A | NA | Represent simple, everyday financial situation involving money (VCMNAOT5) | ${ }^{\text {* Using toy money to pay for goods in }}$ | Sort and classify familiar objects and explain the basis for these classifications and copy, continue and create patterns with objects and drawings <br> (VCMNA076) |  |
| $\underset{\text { Foundation Level }}{\text { Achievement Standard }}$ | NOTE: The standards are not divided into sub-strands in the Victorian Curriculum documents However, logic would dictate that the standards could be put into sub- strands, as demonstrated to the right. | Students connect number names and numerals with sets of up to 20 elements, estimatethe size of these sets, and use counting strategies to solve problems that involve comparing, combining and separating these sets. |  |  |  |  |  | They represent, continue and $c$ | create simple patterns. |

The Victorian Curiculum Mathematics: Number and AIgebra (Sub-Strands with Elaborations) (F-7)
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| Year Level Indicators | Level descripitions | Sub-strands |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number and place value |  | Fractions and decimals |  | Money and financial mathematics |  | Patterns and algebra |  |
|  |  | Content descriptions | Elaboraions | Content descriptions | Elaboraions | Content descriptions | Elaborations | Content descriptions | Elaborations |
| Level 2 |  |  |  |  |  | Count and order small collections of Australian coins and notes according to their value (VCMNA111) | Identifying equivalent values in collections of coins or notes, such a two five-cent coins having value as one 10 cent coin <br> * Counting collections of coins or notes to make up a particular value, such as that shown on a price tag | $\begin{gathered} \text { Describe pateerns sith numbers and identify } \\ \text { missing elements } \\ \text { (VCMNA12) } \end{gathered}$ |  |
|  |  |  |  |  |  |  |  | olve problems by using number sentences <br> for addition or subtraction <br> (VCMNA113) | *Representing a word problem as a number sentence $*$ Writing a word problem to represent anumber sentence |
|  |  |  |  |  |  |  |  | Apply repetition in arithmetic operations cluding multiplication as repeated addition and division as repeated subtraction (VCMNA114) |  |
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| Level 2 Achievement Standard |  |  |  |  |  | They find the total value of simple collections of Australian notes and coins. |  | They recognise increasing and decreasing number sequences involving $2 \mathrm{~s}, 3 \mathrm{~s}, 5 \mathrm{~s}$ and sequence, and use digital technology to produce sequences by constant addition. <br> $\longrightarrow$ $\qquad$ |  |
|  |  |  |  |  |  |  |  |  |  |

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| $\underbrace{\substack{\text { Indicators }}}_{\text {Year Level }}$ | Level descriptions | Sub-strands |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number and place value |  | Fractions and decimals |  | Money and financial mathematics |  | Patters and algebra |  |
|  |  | Content descriptions | Elaboration | Content descriptions | Elaborations | Content descriptions | Elaborations | Content descriptions | Elaborations |
| Level 4 |  |  |  |  |  |  | * Recognising that not all countries use dollars and cents, e.g. India uses rupees. | $\left\lvert\, \begin{gathered}\text { Explore and describe number patterns resulting } \\ \text { trom periorming multiplication } \\ \text { (VCMNA161) }\end{gathered}\right.$ | $\begin{aligned} & \text { * Identifying examples of number } \\ & \text { patterns in everyday life } \end{aligned}$ |
|  |  |  |  |  |  |  | currency as well as in dollars and cents, and identifying both as decimal systems | Solve word problems by using number sentences involving multiplication or division where there is no remainder (VCMNA162) | * Representing a word problem as a number sentence $\star$ Writing a word problem using a given number sentence |
|  |  |  |  |  |  |  |  | Use equivalent number sentences involving addition and subtraction to find unknown quantities (VCMNA163) | Writing number sentences to and answer question such as: 'When a number is added to 23 the answer is the same as 57 minus 19. What is the number? <br> * Using partitioning to find unknown quantities in number sentences |
|  |  |  |  |  |  |  |  | Define a simple class of problems and solve them using an effective algorithm tha involves a short sequence of steps and decisions (VCMNA164) | * Constructing and applying an algorithm for multiplication of twodigit numbers <br> * Partitioning and ordering a set of Australian coins by denomination |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Level 4 Achievement Standard |  |  |  |  |  |  |  | Students use the properties of odd and even numbers, and describe number patterns $\rightarrow \quad$ resulting from multiplication. |  |
|  |  |  |  |  |  |  |  |  |  |

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| Year Level | Level descriptions | Sub-strands |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number and place value |  | Fractions and decimals |  | Money and financial mathematics |  | Patters and algebra |  |
|  |  | Content descriptions | Elaboraion | Content descriptions | Elaborations | Content descripitions | Elaborations | Content descriptions | Elaborations |
| $\stackrel{\text { Level } 6}{ }$ | NOTE: The standards are not divided into sub-strands in the ictorian Curriculum documents However, logic would dictate that the standards could be put into substrands, as demonstrated to the right. |  |  | They solve problems involving the addition <br> and subtraction of related fractions.$\|$ |  | and calculate common percentage discounts on sale items, with and without the use of digital technology |  |  |  |

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| Year Level Indicators | Level descriptions | Sub-strands |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number and place value |  | Real numbers |  | Money and financial mathematics | Linear and non-linear relationships | Patterns and algebra |  |
|  |  | Content descriptions <br> Students solve problems involving the <br> order, addition and subtraction of <br> integers. | Elaboration |  | Elaborations | Students compare the cost of <br> items to make financiaid decisions, <br> with and without the use of digital <br> technology. | They assign ordered pairs to given <br> points on the Cartesiai plane and <br> interpet and analys graps of <br> relations from real data. |  | Elaborations |
| Level 7 Achievement Standard | divided into sub-strands in the Curriculum document However, logic would dictate that the standards could be put into sub strands, as demonstrated to the right. | They make the connections between <br> whole numbers and index notation and <br> the relationship between perfect <br> squares and square roots. <br> They make simple estimates to judge |  |  |  |  | Students develop simple linear <br> models for situations, make <br> predictions on these models, solve <br> related equations and check their <br> solutions. |  |  |

