|  |  |  |  | Mathseeds L | son \# | Addifional Math | seeds Resources |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Knowledge and Skills | Assessment | Higher Order Thinking Skills | Fluency | Assessment |
| Domains | Outcomes | Codes | Online Lesson and Printable Resources | End-of-lesson Quiz | Critical Thinking and Problem Solving Worksheets | Driving Tests (DT) Mental Minute (MM) | Printable Achievement Standards Assessment |
| Number | Say the whole number sequence by 1 s starting anywhere from 0 to 10 and from 10 to 0 . | NK. 1 | 1, 2, 3, 5, 7, 18, 19, 25, 28 |  |  | DT Early Number 2, 4, 5, 9-13, 16, 17, 21, 23 | Kindergarten Number <br> Tests 1, 2 |
|  | Recognize and name familiar arrangements of 1 to 5 objects. Relate a numeral, 0 to 10 , to its respective quantity. | NK.2, NK. 3 | 10, 11, 12, 14, 16, 17, 20, 21, 31, 33 |  |  | DT Early Number 1, 3, 14, 15, 22 | Kindergarten Number Test 2 |
|  | Represent the partitioning of whole numbers (1 to 10). | NK. 4 | $24,30,32,34,36,40,47,49$ |  |  | DT Early Operations 1-14, 16-20 <br> MM Addition Sprints MM Subtraction Sprints | Kindergarten Operations <br> Tests 1-4 |
|  | Compare quantities, 0 to 10. | NK. 5 | 22 |  |  | DT Early Number 6-8, 18-20 | Kindergarten Number Test 3 |
| Patterns and Relations | Demonstrate an understanding of repeating patterns (two or three elements) by identifying, reproducing, extending and creating patterns. | PK. 1 | 8, 27, 37 |  |  | DT Early Patterns 1-9 |  |
| Shape and Space | Use direct comparison to compare two objects based on length including height. | SSK. 1 | 13,26 |  |  | DT Early Measurement 2, 3, 5, 6,9,10 | Kindergarten Measurement <br> Tests 1-3 |
|  | Use direct comparison to compare two objects based on mass. | SSK. 1 | 29 |  |  | DT Early Measurement 7, 8, 12 | Kindergarten Measurement Test 4 |
|  | Use direct comparison to compare two objects based on volume or capacity. | SSK. 1 | 38 |  |  | DT Early Measurement 11, 15, 16 | Kindergarten Measurement Test 5 |
|  | Sort 3-D objects using a single attribute. Describe 3-D objects. | $\begin{aligned} & \text { SSK.2, } \\ & \text { SSK. } 3 \end{aligned}$ | $4,6,9,15,23,35,44$ |  |  | DT Early Geometry 15-18, $21-23$ | Kindergarten Geometry Test 2 |




|  |  |  |  | Mathseeds Less | esson \# | Addilional Mathseeds Resources |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Knowledge and Skills | Assessment | Higher Order Thinking Skills | Fluency |
| Domains | Outcomes | Codes | Online Lesson and Printable Resources | End-of-lesson Quiz | Critical Thinking and Problem Solving Worksheets | Mental Minute (MM) |
| Number | Demonstrate understanding of whole numbers to 1000 including representing (including place value), describing, estimating, comparing and ordering. | N3.1 | 101, 105, 106, 166, 194 |  |  |  |
|  | Demonstrate understanding of addition of whole numbers with answers to 1000 and their corresponding subtractions (limited to 1, 2, and 3-digit numerals) by representing strategies for adding and subtracting, solving situational questions and estimating. | N3. 2 | 134, 144, 146, 148, 170, 173, 178, 183 |  |  | MM Addition Sprints MM Subtraction Sprints |
|  | Demonstrate understanding of multiplication to $5 \times 5$ and the corresponding division statements by using repeated addition or subtraction, equal grouping, and arrays, solving situational questions, modelling and recording the process, and relating multiplication and division. | N3.3 | $71,74,111,113,115,130,136,155,158,165,168,171,176,181,186$, 188, 190, 193, 196, 199 |  |  | MM Multiplication Sprints MM Division Sprints |
|  | Demonstrate understanding of fractions by representing, observing and describing situations, comparing and relating to quantity. | N3.4 | 61, 66, 132, 138, 160, 175, 180, 191, 197 |  |  |  |
| Patterns and Relations | Demonstrate understanding of increasing and decreasing patterns by observing and describing, extending, comparing and creating patterns. | P3. 1 | 153,195 |  |  |  |
|  | Demonstrate understanding of equality by solving one-step addition and subtraction equations involving symbols representing an unknown quantity. | P3. 2 | 163 |  |  |  |
| Shape and Space | Demonstrate understanding of the passage of time including relating common activities to standard and non-standard units, describing relationships between units, and solving situational questions. | SS3.1 | $39,42,54,70,87,109,114,123,127,162,179,185,189$ |  |  |  |
|  | Demonstrate understanding of measuring mass in g and kg by selecting and justifying referents for g and kg , modelling and describing the relationship between g and kg , estimating, measuring and recording mass. | SS3.2 | 172 |  |  |  |
|  | Demonstrate understanding of linear measurement ( cm and m ) by selecting and justifying referents, generalizing the relationship between cm and m , estimating, measuring and recording length, width, height, and perimeter. | SS3.3 | 104, 126, 182, 192, 198 |  |  |  |
|  | Demonstrate understanding of 3-D objects by analyzing characteristics including faces, edges, and vertices. Demonstrate understanding of 2-D shapes (regular and irregular) including triangles, quadrilaterals, pentagons, hexagons, and octagons by describing, comparing and sorting. | $\begin{aligned} & \text { SS3.4, } \\ & \text { ss3.5 } \end{aligned}$ | 169, 184 |  |  |  |
| Statistics and Probability | Demonstrate understanding of first-hand data using tally marks, charts, lists, bar graphs, and line plots (abstract pictographs), through collecting, organizing, and representing, and solving situational questions. | SP3.1 | $174,187,198$ |  |  |  |

