**Standards Document:** [http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/nys-next-generation-mathematics-p-12-standards.docx](https://mail.scs.skanschools.org/owa/redir.aspx?C=XUGPPgxJJkeWomh6gGrwG80AA3PaPNVI2C8JTxKlTA0pKQ1mtfABrqd1rtVXMCbSpE63xygD7Y0.&URL=http%3a%2f%2fwww.nysed.gov%2fcommon%2fnysed%2ffiles%2fprograms%2fcurriculum-instruction%2fnys-next-generation-mathematics-p-12-standards.docx)

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|  | **PK** | **K** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **A1** | **Geo** | **A2** | **(+)** |
| Number Reversals | 11 | 18 |  |  |  |  |  |  |  |  |  |  |  |  |
| Manipulatives |  | 21 | 26 | 36 |  |  |  |  |  |  |  |  |  |  |
| Note on Explore | 10  11  13  16 | 17  23 |  |  |  |  |  |  |  |  | 121 | 136 | 140  151 | 166 |
| Fluency with Facts |  | 21 | 28 | 37 | 48 |  |  |  |  |  |  |  |  |  |
| Fluency vs Memory |  |  |  | 37 | 48 |  |  |  |  |  |  |  |  |  |
| Fluency with Procedures |  |  |  | 40 | 49 | 59 | 70 | 80 | 93 | 100 | 110  112  117  120 | 130  132  136 | 141  143 |  |
| Illustrations  (merged from CCSS appendix, from outside sources, or entirely new) | 13 | 20  21 | 26  28 | 36  37  43 | 46  47  50  52 | 56  60  62  63  65 | 72  75 |  |  |  |  |  |  |  |
| Spacing/alignment | 11 | 19  21 | 28 | 37  38 | 50  52 | 60  64 | 71  72  75  76 | 84 | 95 | 101 | 115  117 |  | 145 |  |
| Within-Grade Connection | 11  15 | 19  21  22  23 | 27  29  30  31  32  33  34 | 41  42  43 | 46  51  52  54 | 56  57  62  63  64  65 | 69  73  74 | 78  80  81  83  84  85  86  88 | 91  93  94  96 | 98  103  104 | 112  115  122 |  | 143  145  147  151  153 | 163 |
| Connecting MPs | 13  14 | 18  21 | 27  28  31 | 40  42 | 47  48 | 56  59 | 69  70  71  73  75 | 78  82  83  85  87 | 90  93  94 | 99  100  101  103  104 | 110  111  112  113  114  118  119  121 | 127  129  130  132  134 | 141  143  147  149  150 |  |
| Note on left  (footnote from CCSS) | 12  15 | 19  20  23 | 27  34 | 40 | 47  49  50  51 | 58 - 59  60 - 61  63 | 73 | 78 | 91 | 101 |  |  |  |  |
| Note on left  (shared standard) |  |  |  |  |  |  |  |  |  |  | 109 - 124 |  | 140 - 156 |  |
| Coherence Links |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| e.g. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Note on right (citation) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |