

MATH

NF 1

Name _____ Date _____

Clusters 1-9

7-4-98

$$\begin{array}{r} 71 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ +13 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +91 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +81 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ +217 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ -51 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -18 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ -61 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -41 \\ \hline \end{array}$$

$$\begin{array}{r} 735 \\ -121 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -97 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ -18 \\ \hline \end{array}$$

MATH

NF 2

Name _____ Date _____

Clusters 10-17

7-15-98

$$\begin{array}{r} 62 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ +23 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ +92 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ +82 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ +26 \\ \hline \end{array}$$

$$\begin{array}{r} 722 \\ +254 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ +25 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ -24 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ -23 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -41 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -86 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ -97 \\ \hline \end{array}$$

MATH

NF 3

Name _____ Date _____

Clusters 1-17

7-15-98

$$\begin{array}{r} 916 \\ +272 \\ \hline \end{array}$$

$$\begin{array}{r} 421 \\ +234 \\ \hline \end{array}$$

$$\begin{array}{r} 125 \\ +951 \\ \hline \end{array}$$

$$\begin{array}{r} 238 \\ +921 \\ \hline \end{array}$$

$$\begin{array}{r} 224 \\ +812 \\ \hline \end{array}$$

$$\begin{array}{r} 972 \\ +126 \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ +781 \\ \hline \end{array}$$

$$\begin{array}{r} 862 \\ +212 \\ \hline \end{array}$$

$$\begin{array}{r} 987 \\ -271 \\ \hline \end{array}$$

$$\begin{array}{r} 274 \\ -162 \\ \hline \end{array}$$

$$\begin{array}{r} 539 \\ -418 \\ \hline \end{array}$$

$$\begin{array}{r} 554 \\ -131 \\ \hline \end{array}$$

$$\begin{array}{r} 384 \\ -223 \\ \hline \end{array}$$

$$\begin{array}{r} 766 \\ -212 \\ \hline \end{array}$$

$$\begin{array}{r} 117 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ -95 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ -24 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -86 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ -97 \\ \hline \end{array}$$

MATH

NF 4

Name _____ Date _____

Clusters 18-25

7-19-98

$$\begin{array}{r} 43 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ +37 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ +93 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ +63 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +43 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ +84 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ +34 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ -43 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ -34 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -35 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ -83 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -37 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ -86 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ -39 \\ \hline \end{array}$$

$$\begin{array}{r} 101 \\ -33 \\ \hline \end{array}$$

MATH

NF 5

Name _____ Date _____

Clusters 13-25

7-25-98

$$\begin{array}{r} 925 \\ +272 \\ \hline \end{array}$$

$$\begin{array}{r} 294 \\ +734 \\ \hline \end{array}$$

$$\begin{array}{r} 325 \\ +463 \\ \hline \end{array}$$

$$\begin{array}{r} 628 \\ +332 \\ \hline \end{array}$$

$$\begin{array}{r} 338 \\ +933 \\ \hline \end{array}$$

$$\begin{array}{r} 712 \\ +358 \\ \hline \end{array}$$

$$\begin{array}{r} 217 \\ +692 \\ \hline \end{array}$$

$$\begin{array}{r} 623 \\ +258 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ - 92 \\ \hline \end{array}$$

$$\begin{array}{r} 918 \\ -523 \\ \hline \end{array}$$

$$\begin{array}{r} 827 \\ -433 \\ \hline \end{array}$$

$$\begin{array}{r} 917 \\ -682 \\ \hline \end{array}$$

$$\begin{array}{r} 790 \\ -527 \\ \hline \end{array}$$

$$\begin{array}{r} 911 \\ -433 \\ \hline \end{array}$$

$$\begin{array}{r} 969 \\ -736 \\ \hline \end{array}$$

$$\begin{array}{r} 120 \\ -98 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -23 \\ \hline \end{array}$$

$$\begin{array}{r} 878 \\ -534 \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ -29 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ -32 \\ \hline \end{array}$$

MATH

NF 6

Name _____ Date _____

Clusters 26-31

7-26-98

$$\begin{array}{r} 45 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ +67 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ +89 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ +44 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ +55 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ +74 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ +96 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ - 54 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ - 87 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ - 56 \\ \hline \end{array}$$

$$\begin{array}{r} 143 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 112 \\ - 44 \\ \hline \end{array}$$

$$\begin{array}{r} 141 \\ - 94 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ - 74 \\ \hline \end{array}$$

MATH

NF 7

Name _____ Date _____

Clusters 19-31

7-27-98

$$\begin{array}{r} 735 \\ +495 \\ \hline \end{array}$$

$$\begin{array}{r} 337 \\ +564 \\ \hline \end{array}$$

$$\begin{array}{r} 329 \\ +483 \\ \hline \end{array}$$

$$\begin{array}{r} 457 \\ +833 \\ \hline \end{array}$$

$$\begin{array}{r} 488 \\ +443 \\ \hline \end{array}$$

$$\begin{array}{r} 543 \\ +476 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ +397 \\ \hline \end{array}$$

$$\begin{array}{r} 343 \\ +435 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ - 54 \\ \hline \end{array}$$

$$\begin{array}{r} 893 \\ -459 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ - 85 \\ \hline \end{array}$$

$$\begin{array}{r} 811 \\ -337 \\ \hline \end{array}$$

$$\begin{array}{r} 110 \\ - 66 \\ \hline \end{array}$$

$$\begin{array}{r} 922 \\ -339 \\ \hline \end{array}$$

$$\begin{array}{r} 113 \\ - 74 \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ -83 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -44 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ - 44 \\ \hline \end{array}$$

$$\begin{array}{r} 139 \\ -93 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ -36 \\ \hline \end{array}$$

MATH

NF 8

Name _____ Date _____

Clusters 31-36

8-2-98

$$\begin{array}{r} 55 \\ +65 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ +95 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ +67 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ +65 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ +85 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ +55 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ +98 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ +67 \\ \hline \end{array}$$

$$\begin{array}{r} 112 \\ - 57 \\ \hline \end{array}$$

$$\begin{array}{r} 142 \\ - 86 \\ \hline \end{array}$$

$$\begin{array}{r} 124 \\ - 69 \\ \hline \end{array}$$

$$\begin{array}{r} 153 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 140 \\ - 85 \\ \hline \end{array}$$

$$\begin{array}{r} 152 \\ - 56 \\ \hline \end{array}$$

$$\begin{array}{r} 131 \\ - 76 \\ \hline \end{array}$$

MATH

NF 9

Name _____ Date _____

Clusters 25-36

8-2-98

$$\begin{array}{r} 936 \\ +444 \\ \hline \end{array}$$

$$\begin{array}{r} 345 \\ +569 \\ \hline \end{array}$$

$$\begin{array}{r} 548 \\ +684 \\ \hline \end{array}$$

$$\begin{array}{r} 447 \\ +955 \\ \hline \end{array}$$

$$\begin{array}{r} 434 \\ +467 \\ \hline \end{array}$$

$$\begin{array}{r} 368 \\ +445 \\ \hline \end{array}$$

$$\begin{array}{r} 346 \\ +976 \\ \hline \end{array}$$

$$\begin{array}{r} 545 \\ +584 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 134 \\ - 59 \\ \hline \end{array}$$

$$\begin{array}{r} 121 \\ - 75 \\ \hline \end{array}$$

$$\begin{array}{r} 942 \\ -458 \\ \hline \end{array}$$

$$\begin{array}{r} 114 \\ - 65 \\ \hline \end{array}$$

$$\begin{array}{r} 110 \\ - 54 \\ \hline \end{array}$$

$$\begin{array}{r} 141 \\ - 94 \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ - 67 \\ \hline \end{array}$$

$$\begin{array}{r} 133 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 933 \\ -484 \\ \hline \end{array}$$

$$\begin{array}{r} 989 \\ -544 \\ \hline \end{array}$$

$$\begin{array}{r} 952 \\ -496 \\ \hline \end{array}$$

MATH

NF 10

Name _____ Date _____

Clusters 36-43

8-2-98

$$\begin{array}{r} 56 \\ +67 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ +88 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ +87 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ +76 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ +96 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ +69 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ +87 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ +67 \\ \hline \end{array}$$

$$\begin{array}{r} 166 \\ - 98 \\ \hline \end{array}$$

$$\begin{array}{r} 163 \\ - 86 \\ \hline \end{array}$$

$$\begin{array}{r} 154 \\ - 87 \\ \hline \end{array}$$

$$\begin{array}{r} 175 \\ - 96 \\ \hline \end{array}$$

$$\begin{array}{r} 142 \\ - 76 \\ \hline \end{array}$$

$$\begin{array}{r} 166 \\ - 77 \\ \hline \end{array}$$

$$\begin{array}{r} 134 \\ - 66 \\ \hline \end{array}$$

$$\begin{array}{r} 156 \\ - 79 \\ \hline \end{array}$$

MATH

NF 11

Name _____ Date _____

Clusters 31-43

8-8-98

$$\begin{array}{r} 568 \\ +658 \\ \hline \end{array}$$

$$\begin{array}{r} 846 \\ +789 \\ \hline \end{array}$$

$$\begin{array}{r} 878 \\ +567 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ +576 \\ \hline \end{array}$$

$$\begin{array}{r} 587 \\ +769 \\ \hline \end{array}$$

$$\begin{array}{r} 455 \\ +586 \\ \hline \end{array}$$

$$\begin{array}{r} 675 \\ +857 \\ \hline \end{array}$$

$$\begin{array}{r} 575 \\ +589 \\ \hline \end{array}$$

$$\begin{array}{r} 171 \\ - 86 \\ \hline \end{array}$$

$$\begin{array}{r} 155 \\ - 59 \\ \hline \end{array}$$

$$\begin{array}{r} 136 \\ - 59 \\ \hline \end{array}$$

$$\begin{array}{r} 150 \\ - 75 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ - 68 \\ \hline \end{array}$$

$$\begin{array}{r} 174 \\ - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ - 87 \\ \hline \end{array}$$

$$\begin{array}{r} 142 \\ - 77 \\ \hline \end{array}$$

$$\begin{array}{r} 115 \\ - 56 \\ \hline \end{array}$$

$$\begin{array}{r} 142 \\ - 86 \\ \hline \end{array}$$

$$\begin{array}{r} 154 \\ - 96 \\ \hline \end{array}$$

MATH

NF 12

Name _____ Date _____

Clusters 36-45

8-8-98

$$\begin{array}{r} 69 \\ +79 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ +98 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ +67 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ +69 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ +88 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ +97 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ +76 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ +68 \\ \hline \end{array}$$

$$\begin{array}{r} 138 \\ - 69 \\ \hline \end{array}$$

$$\begin{array}{r} 173 \\ - 97 \\ \hline \end{array}$$

$$\begin{array}{r} 157 \\ - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 175 \\ - 88 \\ \hline \end{array}$$

$$\begin{array}{r} 174 \\ - 76 \\ \hline \end{array}$$

$$\begin{array}{r} 167 \\ - 99 \\ \hline \end{array}$$

$$\begin{array}{r} 164 \\ - 78 \\ \hline \end{array}$$

$$\begin{array}{r} 163 \\ - 66 \\ \hline \end{array}$$

MATH

NF 13

Name _____ Date _____

Clusters 32-45

8-8-98

$$\begin{array}{r} 788 \\ +657 \\ \hline \end{array}$$

$$\begin{array}{r} 486 \\ +879 \\ \hline \end{array}$$

$$\begin{array}{r} 658 \\ +568 \\ \hline \end{array}$$

$$\begin{array}{r} 657 \\ +756 \\ \hline \end{array}$$

$$\begin{array}{r} 685 \\ +896 \\ \hline \end{array}$$

$$\begin{array}{r} 548 \\ +879 \\ \hline \end{array}$$

$$\begin{array}{r} 848 \\ +895 \\ \hline \end{array}$$

$$\begin{array}{r} 686 \\ +967 \\ \hline \end{array}$$

$$\begin{array}{r} 126 \\ - 68 \\ \hline \end{array}$$

$$\begin{array}{r} 158 \\ - 79 \\ \hline \end{array}$$

$$\begin{array}{r} 172 \\ - 95 \\ \hline \end{array}$$

$$\begin{array}{r} 124 \\ - 55 \\ \hline \end{array}$$

$$\begin{array}{r} 163 \\ - 86 \\ \hline \end{array}$$

$$\begin{array}{r} 155 \\ - 87 \\ \hline \end{array}$$

$$\begin{array}{r} 163 \\ - 65 \\ \hline \end{array}$$

$$\begin{array}{r} 163 \\ - 98 \\ \hline \end{array}$$

$$\begin{array}{r} 133 \\ - 77 \\ \hline \end{array}$$

$$\begin{array}{r} 154 \\ - 69 \\ \hline \end{array}$$

$$\begin{array}{r} 137 \\ - 68 \\ \hline \end{array}$$

$$\begin{array}{r} 177 \\ - 79 \\ \hline \end{array}$$

MATH

NF 1

Name _____ Date _____

Clusters 1-9

7-4-98

$$\begin{array}{r} 71 \\ +11 \\ \hline 82 \end{array}$$

$$\begin{array}{r} 95 \\ +11 \\ \hline 106 \end{array}$$

$$\begin{array}{r} 41 \\ +13 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 15 \\ +91 \\ \hline 106 \end{array}$$

$$\begin{array}{r} 12 \\ +81 \\ \hline 93 \end{array}$$

$$\begin{array}{r} 81 \\ +16 \\ \hline 97 \end{array}$$

$$\begin{array}{r} 131 \\ +217 \\ \hline 348 \end{array}$$

$$\begin{array}{r} 11 \\ +54 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 62 \\ -51 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 109 \\ -18 \\ \hline 91 \end{array}$$

$$\begin{array}{r} 78 \\ -61 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 49 \\ -11 \\ \hline 38 \end{array}$$

$$\begin{array}{r} 56 \\ -41 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 735 \\ -121 \\ \hline 614 \end{array}$$

$$\begin{array}{r} 108 \\ -97 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 39 \\ -18 \\ \hline 21 \end{array}$$

MATH

NF 2

Name _____ Date _____

Clusters 10-17

7-15-98

$$\begin{array}{r} 62 \\ +22 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 42 \\ +23 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 92 \\ +27 \\ \hline 119 \end{array}$$

$$\begin{array}{r} 25 \\ +92 \\ \hline 117 \end{array}$$

$$\begin{array}{r} 23 \\ +82 \\ \hline 105 \end{array}$$

$$\begin{array}{r} 82 \\ +26 \\ \hline 108 \end{array}$$

$$\begin{array}{r} 722 \\ +254 \\ \hline 976 \end{array}$$

$$\begin{array}{r} 92 \\ +25 \\ \hline 117 \end{array}$$

$$\begin{array}{r} 48 \\ -22 \\ \hline 26 \end{array}$$

$$\begin{array}{r} 76 \\ -24 \\ \hline 52 \end{array}$$

$$\begin{array}{r} 97 \\ -25 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 55 \\ -23 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 56 \\ -41 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 106 \\ -22 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 108 \\ -86 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 119 \\ -97 \\ \hline 22 \end{array}$$

MATH

NF 3

Name _____ Date _____

Clusters 1-17

7-15-98

$$\begin{array}{r} 916 \\ +272 \\ \hline 1188 \end{array}$$

$$\begin{array}{r} 421 \\ +234 \\ \hline 655 \end{array}$$

$$\begin{array}{r} 125 \\ +951 \\ \hline 1076 \end{array}$$

$$\begin{array}{r} 238 \\ +921 \\ \hline 1159 \end{array}$$

$$\begin{array}{r} 224 \\ +812 \\ \hline 1036 \end{array}$$

$$\begin{array}{r} 972 \\ +126 \\ \hline 1098 \end{array}$$

$$\begin{array}{r} 213 \\ +781 \\ \hline 994 \end{array}$$

$$\begin{array}{r} 862 \\ +212 \\ \hline 1074 \end{array}$$

$$\begin{array}{r} 987 \\ -271 \\ \hline 716 \end{array}$$

$$\begin{array}{r} 274 \\ -162 \\ \hline 112 \end{array}$$

$$\begin{array}{r} 539 \\ -418 \\ \hline 121 \end{array}$$

$$\begin{array}{r} 554 \\ -131 \\ \hline 423 \end{array}$$

$$\begin{array}{r} 384 \\ -223 \\ \hline 161 \end{array}$$

$$\begin{array}{r} 766 \\ -212 \\ \hline 554 \end{array}$$

$$\begin{array}{r} 117 \\ -25 \\ \hline 92 \end{array}$$

$$\begin{array}{r} 105 \\ -12 \\ \hline 93 \end{array}$$

$$\begin{array}{r} 106 \\ -95 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 106 \\ -24 \\ \hline 82 \end{array}$$

$$\begin{array}{r} 108 \\ -86 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 119 \\ -97 \\ \hline 22 \end{array}$$

MATH

NF 4

Name _____ Date _____

Clusters 18-25

7-19-98

$$\begin{array}{r} 43 \\ +33 \\ \hline 76 \end{array}$$

$$\begin{array}{r} 63 \\ +35 \\ \hline 98 \end{array}$$

$$\begin{array}{r} 83 \\ +37 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 35 \\ +93 \\ \hline 128 \end{array}$$

$$\begin{array}{r} 28 \\ +63 \\ \hline 91 \end{array}$$

$$\begin{array}{r} 27 \\ +43 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 34 \\ +84 \\ \hline 118 \end{array}$$

$$\begin{array}{r} 93 \\ +34 \\ \hline 127 \end{array}$$

$$\begin{array}{r} 86 \\ -43 \\ \hline 43 \end{array}$$

$$\begin{array}{r} 127 \\ -34 \\ \hline 93 \end{array}$$

$$\begin{array}{r} 108 \\ -35 \\ \hline 73 \end{array}$$

$$\begin{array}{r} 119 \\ -83 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 90 \\ -37 \\ \hline 53 \end{array}$$

$$\begin{array}{r} 119 \\ -86 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 82 \\ -39 \\ \hline 43 \end{array}$$

$$\begin{array}{r} 101 \\ -33 \\ \hline 68 \end{array}$$

MATH

NF 5

Name _____ Date _____

Clusters 13-25

7-25-98

$$\begin{array}{r} 925 \\ +272 \\ \hline 1197 \end{array}$$

$$\begin{array}{r} 294 \\ +734 \\ \hline 1028 \end{array}$$

$$\begin{array}{r} 325 \\ +463 \\ \hline 788 \end{array}$$

$$\begin{array}{r} 628 \\ +332 \\ \hline 960 \end{array}$$

$$\begin{array}{r} 338 \\ +933 \\ \hline 1271 \end{array}$$

$$\begin{array}{r} 712 \\ +358 \\ \hline 1070 \end{array}$$

$$\begin{array}{r} 217 \\ +692 \\ \hline 909 \end{array}$$

$$\begin{array}{r} 623 \\ +258 \\ \hline 881 \end{array}$$

$$\begin{array}{r} 129 \\ -92 \\ \hline 37 \end{array}$$

$$\begin{array}{r} 918 \\ -523 \\ \hline 395 \end{array}$$

$$\begin{array}{r} 827 \\ -433 \\ \hline 394 \end{array}$$

$$\begin{array}{r} 917 \\ -682 \\ \hline 235 \end{array}$$

$$\begin{array}{r} 790 \\ -527 \\ \hline 263 \end{array}$$

$$\begin{array}{r} 911 \\ -433 \\ \hline 478 \end{array}$$

$$\begin{array}{r} 969 \\ -736 \\ \hline 233 \end{array}$$

$$\begin{array}{r} 120 \\ -98 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 109 \\ -23 \\ \hline 86 \end{array}$$

$$\begin{array}{r} 878 \\ -534 \\ \hline 344 \end{array}$$

$$\begin{array}{r} 122 \\ -29 \\ \hline 93 \end{array}$$

$$\begin{array}{r} 119 \\ -32 \\ \hline 87 \end{array}$$

MATH

NF 6

Name _____ Date _____

Clusters 26-31

7-26-98

$$\begin{array}{r} 45 \\ +54 \\ \hline 99 \end{array}$$

$$\begin{array}{r} 65 \\ +45 \\ \hline 110 \end{array}$$

$$\begin{array}{r} 34 \\ +67 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 34 \\ +89 \\ \hline 123 \end{array}$$

$$\begin{array}{r} 87 \\ +44 \\ \hline 131 \end{array}$$

$$\begin{array}{r} 54 \\ +55 \\ \hline 109 \end{array}$$

$$\begin{array}{r} 38 \\ +74 \\ \hline 112 \end{array}$$

$$\begin{array}{r} 34 \\ +96 \\ \hline 130 \end{array}$$

$$\begin{array}{r} 109 \\ - 54 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 131 \\ - 87 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 100 \\ - 56 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 143 \\ - 49 \\ \hline 94 \end{array}$$

$$\begin{array}{r} 112 \\ - 44 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 141 \\ - 94 \\ \hline 47 \end{array}$$

$$\begin{array}{r} 129 \\ - 45 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 123 \\ - 74 \\ \hline 49 \end{array}$$

MATH

NF 7

Name _____ Date _____

Clusters 19-31

7-27-98

$$\begin{array}{r} 735 \\ +495 \\ \hline 1230 \end{array}$$

$$\begin{array}{r} 337 \\ +564 \\ \hline 901 \end{array}$$

$$\begin{array}{r} 329 \\ +483 \\ \hline 812 \end{array}$$

$$\begin{array}{r} 457 \\ +833 \\ \hline 1290 \end{array}$$

$$\begin{array}{r} 488 \\ +443 \\ \hline 931 \end{array}$$

$$\begin{array}{r} 543 \\ +476 \\ \hline 1019 \end{array}$$

$$\begin{array}{r} 423 \\ +397 \\ \hline 820 \end{array}$$

$$\begin{array}{r} 343 \\ +435 \\ \hline 778 \end{array}$$

$$\begin{array}{r} 107 \\ -54 \\ \hline 53 \end{array}$$

$$\begin{array}{r} 893 \\ -459 \\ \hline 434 \end{array}$$

$$\begin{array}{r} 129 \\ -85 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 811 \\ -337 \\ \hline 474 \end{array}$$

$$\begin{array}{r} 110 \\ -66 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 922 \\ -339 \\ \hline 583 \end{array}$$

$$\begin{array}{r} 113 \\ -74 \\ \hline 39 \end{array}$$

$$\begin{array}{r} 122 \\ -83 \\ \hline 39 \end{array}$$

$$\begin{array}{r} 109 \\ -44 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 131 \\ -44 \\ \hline 87 \end{array}$$

$$\begin{array}{r} 139 \\ -93 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 119 \\ -36 \\ \hline 83 \end{array}$$

MATH

NF 8

Name _____ Date _____

Clusters 31-36

8-2-98

$$\begin{array}{r} 55 \\ +65 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 46 \\ +95 \\ \hline 141 \end{array}$$

$$\begin{array}{r} 45 \\ +67 \\ \hline 112 \end{array}$$

$$\begin{array}{r} 58 \\ +65 \\ \hline 123 \end{array}$$

$$\begin{array}{r} 47 \\ +85 \\ \hline 132 \end{array}$$

$$\begin{array}{r} 49 \\ +55 \\ \hline 104 \end{array}$$

$$\begin{array}{r} 45 \\ +98 \\ \hline 143 \end{array}$$

$$\begin{array}{r} 45 \\ +67 \\ \hline 112 \end{array}$$

$$\begin{array}{r} 112 \\ - 57 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 142 \\ - 86 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 124 \\ - 69 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 153 \\ - 55 \\ \hline 98 \end{array}$$

$$\begin{array}{r} 122 \\ - 55 \\ \hline 67 \end{array}$$

$$\begin{array}{r} 140 \\ - 85 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 152 \\ - 56 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 131 \\ - 76 \\ \hline 55 \end{array}$$

MATH

NF 9

Name _____ Date _____

Clusters 25-36

8-2-98

$$\begin{array}{r} 936 \\ +444 \\ \hline 1380 \end{array}$$

$$\begin{array}{r} 345 \\ +569 \\ \hline 914 \end{array}$$

$$\begin{array}{r} 548 \\ +684 \\ \hline 1232 \end{array}$$

$$\begin{array}{r} 447 \\ +955 \\ \hline 1402 \end{array}$$

$$\begin{array}{r} 434 \\ +467 \\ \hline 901 \end{array}$$

$$\begin{array}{r} 368 \\ +445 \\ \hline 813 \end{array}$$

$$\begin{array}{r} 346 \\ +976 \\ \hline 1322 \end{array}$$

$$\begin{array}{r} 545 \\ +584 \\ \hline 1129 \end{array}$$

$$\begin{array}{r} 129 \\ -64 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 134 \\ -59 \\ \hline 75 \end{array}$$

$$\begin{array}{r} 121 \\ -75 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 942 \\ -458 \\ \hline 484 \end{array}$$

$$\begin{array}{r} 114 \\ -65 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 110 \\ -54 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 141 \\ -94 \\ \hline 47 \end{array}$$

$$\begin{array}{r} 122 \\ -67 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 133 \\ -48 \\ \hline 85 \end{array}$$

$$\begin{array}{r} 933 \\ -484 \\ \hline 449 \end{array}$$

$$\begin{array}{r} 989 \\ -544 \\ \hline 445 \end{array}$$

$$\begin{array}{r} 952 \\ -496 \\ \hline 456 \end{array}$$

MATH

NF 10

Name _____ Date _____

Clusters 36-43

8-2-98

$$\begin{array}{r} 56 \\ +67 \\ \hline 123 \end{array}$$

$$\begin{array}{r} 58 \\ +88 \\ \hline 146 \end{array}$$

$$\begin{array}{r} 69 \\ +87 \\ \hline 156 \end{array}$$

$$\begin{array}{r} 68 \\ +76 \\ \hline 144 \end{array}$$

$$\begin{array}{r} 57 \\ +96 \\ \hline 153 \end{array}$$

$$\begin{array}{r} 87 \\ +69 \\ \hline 156 \end{array}$$

$$\begin{array}{r} 78 \\ +87 \\ \hline 165 \end{array}$$

$$\begin{array}{r} 89 \\ +67 \\ \hline 156 \end{array}$$

$$\begin{array}{r} 166 \\ -98 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 163 \\ -86 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 154 \\ -87 \\ \hline 67 \end{array}$$

$$\begin{array}{r} 175 \\ -96 \\ \hline 79 \end{array}$$

$$\begin{array}{r} 142 \\ -76 \\ \hline 66 \end{array}$$

$$\begin{array}{r} 166 \\ -77 \\ \hline 89 \end{array}$$

$$\begin{array}{r} 134 \\ -66 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 156 \\ -79 \\ \hline 77 \end{array}$$

MATH

NF 11

Name _____ Date _____

Clusters 31-43

8-8-98

$$\begin{array}{r} 568 \\ +658 \\ \hline 1226 \end{array}$$

$$\begin{array}{r} 846 \\ +789 \\ \hline 1635 \end{array}$$

$$\begin{array}{r} 878 \\ +567 \\ \hline 1445 \end{array}$$

$$\begin{array}{r} 567 \\ +576 \\ \hline 1143 \end{array}$$

$$\begin{array}{r} 587 \\ +769 \\ \hline 1356 \end{array}$$

$$\begin{array}{r} 455 \\ +586 \\ \hline 1041 \end{array}$$

$$\begin{array}{r} 675 \\ +857 \\ \hline 1532 \end{array}$$

$$\begin{array}{r} 575 \\ +589 \\ \hline 1164 \end{array}$$

$$\begin{array}{r} 171 \\ - 86 \\ \hline 85 \end{array}$$

$$\begin{array}{r} 155 \\ - 59 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 136 \\ - 59 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 150 \\ - 75 \\ \hline 75 \end{array}$$

$$\begin{array}{r} 145 \\ - 68 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 174 \\ - 78 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 123 \\ - 55 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 145 \\ - 87 \\ \hline 58 \end{array}$$

$$\begin{array}{r} 142 \\ - 77 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 115 \\ - 56 \\ \hline 59 \end{array}$$

$$\begin{array}{r} 142 \\ - 86 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 154 \\ - 96 \\ \hline 58 \end{array}$$

MATH

NF 12

Name _____ Date _____

Clusters 36-45

8-8-98

$$\begin{array}{r} 69 \\ +79 \\ \hline 148 \end{array}$$

$$\begin{array}{r} 77 \\ +98 \\ \hline 175 \end{array}$$

$$\begin{array}{r} 59 \\ +67 \\ \hline 126 \end{array}$$

$$\begin{array}{r} 66 \\ +69 \\ \hline 135 \end{array}$$

$$\begin{array}{r} 79 \\ +88 \\ \hline 167 \end{array}$$

$$\begin{array}{r} 66 \\ +97 \\ \hline 163 \end{array}$$

$$\begin{array}{r} 78 \\ +76 \\ \hline 154 \end{array}$$

$$\begin{array}{r} 86 \\ +68 \\ \hline 154 \end{array}$$

$$\begin{array}{r} 138 \\ -69 \\ \hline 69 \end{array}$$

$$\begin{array}{r} 173 \\ -97 \\ \hline 76 \end{array}$$

$$\begin{array}{r} 157 \\ -78 \\ \hline 79 \end{array}$$

$$\begin{array}{r} 175 \\ -88 \\ \hline 87 \end{array}$$

$$\begin{array}{r} 174 \\ -76 \\ \hline 98 \end{array}$$

$$\begin{array}{r} 167 \\ -99 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 164 \\ -78 \\ \hline 86 \end{array}$$

$$\begin{array}{r} 163 \\ -66 \\ \hline 97 \end{array}$$

MATH

NF 13

Name _____ Date _____

Clusters 32-45

8-8-98

$$\begin{array}{r} 788 \\ + 657 \\ \hline 1445 \end{array}$$

$$\begin{array}{r} 486 \\ + 879 \\ \hline 1365 \end{array}$$

$$\begin{array}{r} 658 \\ + 568 \\ \hline 1226 \end{array}$$

$$\begin{array}{r} 657 \\ + 756 \\ \hline 1413 \end{array}$$

$$\begin{array}{r} 685 \\ + 896 \\ \hline 1581 \end{array}$$

$$\begin{array}{r} 548 \\ + 879 \\ \hline 1427 \end{array}$$

$$\begin{array}{r} 848 \\ + 895 \\ \hline 1743 \end{array}$$

$$\begin{array}{r} 686 \\ + 967 \\ \hline 1653 \end{array}$$

$$\begin{array}{r} 126 \\ - 68 \\ \hline 58 \end{array}$$

$$\begin{array}{r} 158 \\ - 79 \\ \hline 79 \end{array}$$

$$\begin{array}{r} 172 \\ - 95 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 124 \\ - 55 \\ \hline 69 \end{array}$$

$$\begin{array}{r} 163 \\ - 86 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 155 \\ - 87 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 163 \\ - 65 \\ \hline 98 \end{array}$$

$$\begin{array}{r} 163 \\ - 98 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 133 \\ - 77 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 154 \\ - 69 \\ \hline 85 \end{array}$$

$$\begin{array}{r} 137 \\ - 68 \\ \hline 69 \end{array}$$

$$\begin{array}{r} 177 \\ - 79 \\ \hline 98 \end{array}$$

$$1 \quad 2 \quad 3 \quad 1 \quad 5 \quad 6$$

$$\underline{+2} \quad \underline{+1} \quad \underline{+1} \quad \underline{+4} \quad \underline{-1} \quad \underline{-5}$$

$$+ \quad + \quad + \quad + \quad +$$

$$2 \quad 3 \quad 1 \quad 4 \quad 5 \quad 6$$

$$\underline{-1} \quad \underline{-1} \quad \underline{+3} \quad \underline{+1} \quad \underline{-4} \quad \underline{-1}$$

$$+ \quad + \quad + \quad + \quad +$$

$$1 \quad 3 \quad 4 \quad 4 \quad 5 \quad 1$$

$$\underline{+1} \quad \underline{-2} \quad \underline{-1} \quad \underline{-3} \quad \underline{+1} \quad \underline{+5}$$

1 4 5 3

+ + + +

5 1 5 2 1

+ + + +

6 6 1 3 1 2

$$\begin{array}{cccccc}
 7 & 7 & 1 & 9 & 10 & 4 \\
 \hline
 -1 & +1 & +8 & -8 & -1 & -2
 \end{array}$$

$$+ \quad + \quad + \quad + \quad +$$

$$\begin{array}{cccccc}
 6 & 1 & 8 & 9 & 9 & 2 \\
 \hline
 +1 & +7 & -7 & -1 & +1 & +2
 \end{array}$$

$$+ \quad + \quad + \quad + \quad +$$

$$\begin{array}{cccccc}
 1 & 7 & 8 & 8 & 1 & 10 \\
 \hline
 +6 & -6 & -1 & +1 & +9 & -9
 \end{array}$$

$$2 \quad 9 \quad 1 \quad 9 \quad 8 \quad 6$$

$$+ \quad + \quad + \quad + \quad +$$

$$4 \quad 10 \quad 8 \quad 1 \quad 8 \quad 7$$

$$+ \quad + \quad + \quad + \quad +$$

$$1 \quad 10 \quad 9 \quad 7 \quad 1 \quad 7$$

5
-2

4
+2

2
+5

7
-5

8
-2

+

+

+

+

+

3

2

6

7

6

+2

+4

-4

-2

+2

+

+

+

+

+

2

5

6

5

2

8

+3

-3

-2

+2

+6

-6

6 2 7 6 3

+ + + +

8 5 2 6 5

+ + + +

2 8 7 4 2 5

$$9 \quad 8 \quad 2 \quad 11 \quad 3 \quad 7$$

$$\underline{-2} \quad \underline{+2} \quad \underline{+9} \quad \underline{-9} \quad \underline{+4} \quad \underline{-4}$$

$$+ \quad + \quad + \quad + \quad +$$

$$7 \quad 2 \quad 10 \quad 11 \quad 6 \quad 7$$

$$\underline{+2} \quad \underline{+8} \quad \underline{-8} \quad \underline{-2} \quad \underline{-3} \quad \underline{-3}$$

$$+ \quad + \quad + \quad + \quad +$$

$$2 \quad 9 \quad 10 \quad 9 \quad 3 \quad 4$$

$$\underline{+7} \quad \underline{-7} \quad \underline{-2} \quad \underline{+2} \quad \underline{+3} \quad \underline{+3}$$

3 7 2 11 10 7

+ + + + +

4 3 9 2 10 9

+ + + + +

7 6 11 8 2 9

8
-3

6
+3

3
+7

10
-7

11
-3

+

+

+

+

+

5

3

9

10

8

+3

+6

-6

-3

+3

+

+

+

+

+

3

8

9

7

3

11

+5

-5

-3

+3

+8

-8

8 3 10 9 5

+ + + + +

11 7 3 9 8

+ + + + +

3 11 10 6 3 8

$$\begin{array}{ccccccc}
 12 & 8 & 9 & 6 & 4 & 11 \\
 \hline
 -3 & -4 & -4 & +4 & +7 & -7
 \end{array}$$

+ + + + +

$$\begin{array}{ccccccc}
 3 & 4 & 5 & 4 & 10 & 11 \\
 \hline
 +9 & +4 & +4 & +6 & -6 & -4
 \end{array}$$

+ + + + +

$$\begin{array}{ccccccc}
 9 & 12 & 4 & 9 & 10 & 7 \\
 \hline
 +3 & -9 & +5 & -5 & -4 & +4
 \end{array}$$

4 11 10 5 4 9

+ + + +

7 4 10 9 8 12

+ + + +

11 6 4 9 3 12

$$\begin{array}{ccccccc}
 12 & 9 & 5 & 6 & 5 & 12 \\
 \hline
 -4 & +4 & +5 & +5 & +7 & -7
 \end{array}$$

+ + + + +

$$\begin{array}{ccccccc}
 8 & 4 & 13 & 5 & 11 & 12 \\
 \hline
 +4 & +9 & -9 & +6 & -6 & -5
 \end{array}$$

+ + + + +

$$\begin{array}{ccccccc}
 4 & 12 & 13 & 10 & 11 & 7 \\
 \hline
 +8 & -8 & -4 & -5 & -5 & +5
 \end{array}$$

5 12 11 10 13 8

+ + + + +

7 5 11 4 13 12

+ + + + +

12 6 5 9 4 12

$$\begin{array}{r}
 13 \\
 -5 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 9 \\
 +5 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 6 \\
 +6 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 7 \\
 +6 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 6 \\
 +8 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 14 \\
 -8 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 8 \\
 +5 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 5 \\
 +9 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 14 \\
 -9 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 6 \\
 +7 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 13 \\
 -7 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 14 \\
 -6 \\
 \hline
 \end{array}$$

+

$$\begin{array}{r}
 5 \\
 +8 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 13 \\
 -8 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 14 \\
 -5 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 12 \\
 -6 \\
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 \end{array}
 +
 \begin{array}{r}
 13 \\
 -6 \\
 \hline
 \end{array}
 +
 \begin{array}{r}
 8 \\
 +6 \\
 \hline
 \end{array}$$

6 14 13 12 14 8

+ + + + +

8 6 13 5 14 13

+ + + + +

14 7 6 9 5 13

$$\begin{array}{r} 15 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

+ + + + +

$$\begin{array}{r} 9 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -9 \\ \hline \end{array}$$

+ + + + +

$$\begin{array}{r} 6 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$

16 16 8 7 9

+ + + +

7 16 15 14 15

+ + + +

6 9 7 15 6 15

17

18

-8

-9

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+

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9

9

+8

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Cluster 1

Cluster 1

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Cluster 2

Cluster 2

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Cluster 2

Cluster 2

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Cluster 3

Cluster 3

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Cluster 3

Cluster 3

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Cluster 4

Cluster 4

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Cluster 5

Cluster 5

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Cluster 5

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Cluster 6

Cluster 6

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Cluster 6

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Cluster 7

Cluster 7

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Cluster 7

Cluster 7

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Cluster 8

Cluster 8

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Cluster 8

Cluster 8

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Cluster 9

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Cluster 10

Cluster 10

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Cluster 11

Cluster 11

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Cluster 12

Cluster 12

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-2

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Cluster 12

Cluster 12

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Cluster 13

Cluster 13

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-2

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Cluster 13

Cluster 13

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+6

+2

Cluster 14

Cluster 14

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-2

-6

Cluster 14

Cluster 14

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Cluster 15

Cluster 15

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-2

-7

Cluster 15

Cluster 15

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+8

+2

Cluster 16

Cluster 16

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10

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-2

-8

Cluster 16

Cluster 16

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+9

+2

Cluster 17

Cluster 17

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11

11

-2

-9

Cluster 17

Cluster 17

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-3

Cluster 18

Cluster 18

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+4

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Cluster 19

Cluster 19

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Cluster 19

Cluster 19

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+5

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Cluster 20

Cluster 20

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Cluster 20

Cluster 20

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+6

+3

Cluster 21

Cluster 21

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-3

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Cluster 21

Cluster 21

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+7

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Cluster 22

Cluster 22

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-3

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Cluster 22

Cluster 22

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Cluster 23

Cluster 23

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11

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-3

-8

Cluster 23

Cluster 23

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+9

+3

Cluster 24

Cluster 24

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12

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-3

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Cluster 24

Cluster 24

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+4

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Cluster 25

Cluster 25

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+5

+4

Cluster 26

Cluster 26

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-4

-5

Cluster 26

Cluster 26

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+6

+4

Cluster 27

Cluster 27

+

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-4

-6

Cluster 27

Cluster 27

|

10

10

—

+

—

4

6

|

4

7

+7

+4

Cluster 28

Cluster 28

+

11

11

-4

-7

Cluster 28

Cluster 28

|

1

1

1

1

-

+

-

4

7

|

4

8

+8

+4

Cluster 29

Cluster 29

+

12

12

-4

-8

Cluster 29

Cluster 29

|

12

12

—

+

—

4

8

|

4

9

+9

+4

Cluster 30

Cluster 30

+

13

13

-4

-9

Cluster 30

Cluster 30

|

13

13

—

+

—

4

9

|

|

5

10

+5

-5

Cluster 31

Cluster 31

+

|

|

5

10

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+

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|

|

5

6

+6

+5

Cluster 32

Cluster 32

+

11

11

-5

-6

Cluster 32

Cluster 32

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11

11

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+

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5

6

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5

7

+7

+5

Cluster 33

Cluster 33

+

12

12

-5

-7

Cluster 33

Cluster 33

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12

12

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+

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5

7

|

|

5

8

+ 8

+ 5

Cluster 34

Cluster 34

+

13

13

- 5

- 8

Cluster 34

Cluster 34

|

|

13

13

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+

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5

8

|

|

5

9

+ 9

+ 5

Cluster 35

Cluster 35

+

14

14

- 5

- 9

Cluster 35

Cluster 35

|

|

14

14

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+

—

5

9

|

|

6

12

+6

-6

Cluster 36

Cluster 36

+

|

|

6

12

—

+

—

|

|

6

7

+7

+6

Cluster 37

Cluster 37

+

13

13

-6

-7

Cluster 37

Cluster 37

|

|

13

13

—

+

—

6

7

|

|

6

8

+ 8

+ 6

Cluster 38

Cluster 38

+

14

14

- 6

- 8

Cluster 38

Cluster 38

|

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14

14

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+

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6

8

|

|

6

9

+9

+6

Cluster 39

Cluster 39

+

15

15

-6

-9

Cluster 39

Cluster 39

|

|

15

15

—

+

—

6

9

|

|

7

14

+7

-7

Cluster 40

Cluster 40

—

+

—

|

|

7

14

—

+

—

|

|

7

8

+8

+7

Cluster 41

Cluster 41

+

15

15

-7

-8

Cluster 41

Cluster 41

|

|

15

15

—

+

—

7

8

|

|

7

9

+9

+7

Cluster 42

Cluster 42

+

16

16

-7

-9

Cluster 42

Cluster 42

|

|

16

16

—

+

—

7

9

|

8

16

+8

-8

Cluster 43

Cluster 43

+

8 16

— + —

|

8

9

+9

+8

Cluster 44

Cluster 44

+

17

17

-8

-9

Cluster 44

Cluster 44

|

|

17

17

—

+

—

8

9

|

|

9

18

+9

-9

Cluster 45

Cluster 45

+

|

9

18

—

+

—

|



CLUSTERS

CLUSTER 1

$$\begin{array}{r} 1 \quad 2 \\ +1 \quad -1 \end{array}$$

CLUSTER 2

$$\begin{array}{r} 1 \quad 2 \\ +2 \quad +1 \end{array}$$

$$\begin{array}{r} 3 \quad 3 \\ -1 \quad -2 \end{array}$$

CLUSTER 3

$$\begin{array}{r} 1 \quad 3 \\ +3 \quad +1 \end{array}$$

$$\begin{array}{r} 4 \quad 4 \\ -1 \quad -3 \end{array}$$

CLUSTER 4

$$\begin{array}{r} 1 \quad 4 \\ +4 \quad +1 \end{array}$$

$$\begin{array}{r} 5 \quad 5 \\ -1 \quad -4 \end{array}$$

CLUSTER 5

$$\begin{array}{r} 1 \quad 5 \\ +5 \quad +1 \end{array}$$

$$\begin{array}{r} 6 \quad 6 \\ -1 \quad -5 \end{array}$$

CLUSTER 6

$$\begin{array}{r} 1 \quad 6 \\ +6 \quad +1 \end{array}$$

$$\begin{array}{r} 7 \quad 7 \\ -1 \quad -6 \end{array}$$

CLUSTER 7

$$\begin{array}{r} 1 \quad 7 \\ +7 \quad +1 \end{array}$$

$$\begin{array}{r} 8 \quad 8 \\ -1 \quad -7 \end{array}$$

CLUSTER 8

$$\begin{array}{r} 1 \quad 8 \\ +8 \quad +1 \end{array}$$

$$\begin{array}{r} 9 \quad 9 \\ -1 \quad -8 \end{array}$$

CLUSTER 9

$$\begin{array}{r} 1 \quad 9 \\ +9 \quad +1 \end{array}$$

$$\begin{array}{r} 10 \quad 10 \\ -1 \quad -9 \end{array}$$

CLUSTER 10

$$\begin{array}{r} 2 \quad 4 \\ +2 \quad -2 \end{array}$$

CLUSTER 11

$$\begin{array}{r} 2 \quad 3 \\ +3 \quad +2 \end{array}$$

$$\begin{array}{r} 5 \quad 5 \\ -2 \quad -3 \end{array}$$

CLUSTER 12

$$\begin{array}{r} 2 \quad 4 \\ +4 \quad +2 \end{array}$$

$$\begin{array}{r} 6 \quad 6 \\ -2 \quad -4 \end{array}$$

CLUSTER 13

$$\begin{array}{r} 2 \quad 5 \\ +5 \quad +2 \end{array}$$

$$\begin{array}{r} 7 \quad 7 \\ -2 \quad -5 \end{array}$$

CLUSTER 14

$$\begin{array}{r} 2 \quad 6 \\ +6 \quad +2 \end{array}$$

$$\begin{array}{r} 8 \quad 8 \\ -2 \quad -6 \end{array}$$

CLUSTER 15

$$\begin{array}{r} 2 \quad 7 \\ +7 \quad +2 \end{array}$$

$$\begin{array}{r} 9 \quad 9 \\ -2 \quad -7 \end{array}$$

CLUSTER 16

$$\begin{array}{r} 2 \quad 8 \\ +8 \quad +2 \end{array}$$

$$\begin{array}{r} 10 \quad 10 \\ -2 \quad -8 \end{array}$$

CLUSTER 17

$$\begin{array}{r} 2 \quad 9 \\ +9 \quad +2 \end{array}$$

$$\begin{array}{r} 11 \quad 11 \\ -2 \quad -9 \end{array}$$

CLUSTER 18

$$\begin{array}{r} 3 \quad 6 \\ +3 \quad -3 \end{array}$$

CLUSTER 19

$$\begin{array}{r} 3 \quad 4 \\ +4 \quad +3 \end{array}$$

$$\begin{array}{r} 7 \quad 7 \\ -3 \quad -4 \end{array}$$

CLUSTER 20

$$\begin{array}{r} 3 \quad 5 \\ +5 \quad +3 \end{array}$$

$$\begin{array}{r} 8 \quad 8 \\ -3 \quad -5 \end{array}$$

CLUSTER 21

$$\begin{array}{r} 3 \quad 6 \\ +6 \quad +3 \end{array}$$

$$\begin{array}{r} 9 \quad 9 \\ -3 \quad -6 \end{array}$$

CLUSTER 22

$$\begin{array}{r} 3 \quad 7 \\ +7 \quad +3 \end{array}$$

$$\begin{array}{r} 10 \quad 10 \\ -3 \quad -7 \end{array}$$

CLUSTER 23

$$\begin{array}{r} 3 \quad 8 \\ +8 \quad +3 \end{array}$$

$$\begin{array}{r} 11 \quad 11 \\ -3 \quad -8 \end{array}$$

CLUSTER 24

$$\begin{array}{r} 3 \quad 9 \\ +9 \quad +3 \end{array}$$

$$\begin{array}{r} 12 \quad 12 \\ -3 \quad -9 \end{array}$$

CLUSTER 25

$$\begin{array}{r} 4 \quad 8 \\ +4 \quad -4 \end{array}$$

Clusters pg. 2

| | | | | |
|--|--|--|--|--|
| CLUSTER 26 $\begin{array}{r} 4 \quad 5 \\ +5 \quad +4 \end{array}$ $\begin{array}{r} 9 \quad 9 \\ -4 \quad -5 \end{array}$ | CLUSTER 27 $\begin{array}{r} 4 \quad 6 \\ +6 \quad +4 \end{array}$ $\begin{array}{r} 10 \quad 10 \\ -4 \quad -6 \end{array}$ | CLUSTER 28 $\begin{array}{r} 4 \quad 7 \\ +7 \quad +4 \end{array}$ $\begin{array}{r} 11 \quad 11 \\ -4 \quad -7 \end{array}$ | CLUSTER 29 $\begin{array}{r} 4 \quad 8 \\ +8 \quad +4 \end{array}$ $\begin{array}{r} 12 \quad 12 \\ -4 \quad -8 \end{array}$ | CLUSTER 30 $\begin{array}{r} 4 \quad 9 \\ +9 \quad +4 \end{array}$ $\begin{array}{r} 13 \quad 13 \\ -4 \quad -9 \end{array}$ |
| CLUSTER 31 $\begin{array}{r} 5 \quad 10 \\ +5 \quad -5 \end{array}$ | CLUSTER 32 $\begin{array}{r} 5 \quad 6 \\ +6 \quad +5 \end{array}$ $\begin{array}{r} 11 \quad 11 \\ -5 \quad -6 \end{array}$ | CLUSTER 33 $\begin{array}{r} 5 \quad 7 \\ +7 \quad +5 \end{array}$ $\begin{array}{r} 12 \quad 12 \\ -5 \quad -7 \end{array}$ | CLUSTER 34 $\begin{array}{r} 5 \quad 8 \\ +8 \quad +5 \end{array}$ $\begin{array}{r} 13 \quad 13 \\ -5 \quad -8 \end{array}$ | CLUSTER 35 $\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \end{array}$ $\begin{array}{r} 14 \quad 14 \\ -5 \quad -9 \end{array}$ |
| CLUSTER 36 $\begin{array}{r} 6 \quad 12 \\ +6 \quad -6 \end{array}$ | CLUSTER 37 $\begin{array}{r} 6 \quad 7 \\ +7 \quad +6 \end{array}$ $\begin{array}{r} 13 \quad 13 \\ -6 \quad -7 \end{array}$ | CLUSTER 38 $\begin{array}{r} 6 \quad 8 \\ +8 \quad +6 \end{array}$ $\begin{array}{r} 14 \quad 14 \\ -6 \quad -8 \end{array}$ | CLUSTER 39 $\begin{array}{r} 6 \quad 9 \\ +9 \quad +6 \end{array}$ $\begin{array}{r} 15 \quad 15 \\ -6 \quad -9 \end{array}$ | CLUSTER 40 $\begin{array}{r} 7 \quad 14 \\ +7 \quad -7 \end{array}$ |
| CLUSTER 41 $\begin{array}{r} 7 \quad 8 \\ +8 \quad +7 \end{array}$ $\begin{array}{r} 15 \quad 15 \\ -7 \quad -8 \end{array}$ | CLUSTER 42 $\begin{array}{r} 7 \quad 9 \\ +9 \quad +7 \end{array}$ $\begin{array}{r} 16 \quad 16 \\ -7 \quad -9 \end{array}$ | CLUSTER 43 $\begin{array}{r} 8 \quad 16 \\ +8 \quad -8 \end{array}$ | CLUSTER 44 $\begin{array}{r} 8 \quad 9 \\ +9 \quad +8 \end{array}$ $\begin{array}{r} 17 \quad 17 \\ -8 \quad -9 \end{array}$ | CLUSTER 45 $\begin{array}{r} 9 \quad 18 \\ +9 \quad -9 \end{array}$ |

Addition Clusters

| | | | | |
|---|---|---|---|---|
| CLUSTER 1a $\begin{array}{r} 1 \\ +1 \\ \hline \end{array}$ | CLUSTER 2a $\begin{array}{r} 1 \quad 2 \\ +2 \quad +1 \\ \hline \end{array}$ | CLUSTER 3a $\begin{array}{r} 1 \quad 3 \\ +3 \quad +1 \\ \hline \end{array}$ | CLUSTER 4a $\begin{array}{r} 1 \quad 4 \\ +4 \quad +1 \\ \hline \end{array}$ | CLUSTER 5a $\begin{array}{r} 1 \quad 5 \\ +5 \quad +1 \\ \hline \end{array}$ |
| CLUSTER 6a $\begin{array}{r} 1 \quad 6 \\ +6 \quad +1 \\ \hline \end{array}$ | CLUSTER 7a $\begin{array}{r} 1 \quad 7 \\ +7 \quad +1 \\ \hline \end{array}$ | CLUSTER 8a $\begin{array}{r} 1 \quad 8 \\ +8 \quad +1 \\ \hline \end{array}$ | CLUSTER 9a $\begin{array}{r} 1 \quad 9 \\ +9 \quad +1 \\ \hline \end{array}$ | CLUSTER 10a $\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$ |
| CLUSTER 11a $\begin{array}{r} 2 \quad 3 \\ +3 \quad +2 \\ \hline \end{array}$ | CLUSTER 12a $\begin{array}{r} 2 \quad 4 \\ +4 \quad +2 \\ \hline \end{array}$ | CLUSTER 13a $\begin{array}{r} 2 \quad 5 \\ +5 \quad +2 \\ \hline \end{array}$ | CLUSTER 14a $\begin{array}{r} 2 \quad 6 \\ +6 \quad +2 \\ \hline \end{array}$ | CLUSTER 15a $\begin{array}{r} 2 \quad 7 \\ +7 \quad +2 \\ \hline \end{array}$ |
| CLUSTER 16a $\begin{array}{r} 2 \quad 8 \\ +8 \quad +2 \\ \hline \end{array}$ | CLUSTER 17a $\begin{array}{r} 2 \quad 9 \\ +9 \quad +2 \\ \hline \end{array}$ | CLUSTER 18a $\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$ | CLUSTER 19a $\begin{array}{r} 3 \quad 4 \\ +4 \quad +3 \\ \hline \end{array}$ | CLUSTER 20a $\begin{array}{r} 3 \quad 5 \\ +5 \quad +3 \\ \hline \end{array}$ |
| CLUSTER 21a $\begin{array}{r} 3 \quad 6 \\ +6 \quad +3 \\ \hline \end{array}$ | CLUSTER 22a $\begin{array}{r} 3 \quad 7 \\ +7 \quad +3 \\ \hline \end{array}$ | CLUSTER 23a $\begin{array}{r} 3 \quad 8 \\ +8 \quad +3 \\ \hline \end{array}$ | CLUSTER 24a $\begin{array}{r} 3 \quad 9 \\ +9 \quad +3 \\ \hline \end{array}$ | CLUSTER 25a $\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$ |
| CLUSTER 26a $\begin{array}{r} 4 \quad 5 \\ +5 \quad +4 \\ \hline \end{array}$ | CLUSTER 27a $\begin{array}{r} 4 \quad 6 \\ +6 \quad +4 \\ \hline \end{array}$ | CLUSTER 28a $\begin{array}{r} 4 \quad 7 \\ +7 \quad +4 \\ \hline \end{array}$ | CLUSTER 29a $\begin{array}{r} 4 \quad 8 \\ +8 \quad +4 \\ \hline \end{array}$ | CLUSTER 30a $\begin{array}{r} 4 \quad 9 \\ +9 \quad +4 \\ \hline \end{array}$ |
| CLUSTER 31a $\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$ | CLUSTER 32a $\begin{array}{r} 5 \quad 6 \\ +6 \quad +5 \\ \hline \end{array}$ | CLUSTER 33a $\begin{array}{r} 5 \quad 7 \\ +7 \quad +5 \\ \hline \end{array}$ | CLUSTER 34a $\begin{array}{r} 5 \quad 8 \\ +8 \quad +5 \\ \hline \end{array}$ | CLUSTER 35a $\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \\ \hline \end{array}$ |
| CLUSTER 36a $\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$ | CLUSTER 37a $\begin{array}{r} 6 \quad 7 \\ +7 \quad +6 \\ \hline \end{array}$ | CLUSTER 38a $\begin{array}{r} 6 \quad 8 \\ +8 \quad +6 \\ \hline \end{array}$ | CLUSTER 39a $\begin{array}{r} 6 \quad 9 \\ +9 \quad +6 \\ \hline \end{array}$ | CLUSTER 40a $\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$ |
| CLUSTER 41a $\begin{array}{r} 7 \quad 8 \\ +8 \quad +7 \\ \hline \end{array}$ | CLUSTER 42a $\begin{array}{r} 7 \quad 9 \\ +9 \quad +7 \\ \hline \end{array}$ | CLUSTER 43a $\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$ | CLUSTER 44a $\begin{array}{r} 8 \quad 9 \\ +9 \quad +8 \\ \hline \end{array}$ | CLUSTER 45a $\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$ |



Subtraction Clusters

| | | | | |
|---|---|---|---|---|
| CLUSTER 1s $\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$ | CLUSTER 2s $\begin{array}{r} 3 \quad 3 \\ -1 \quad -2 \\ \hline \end{array}$ | CLUSTER 3s $\begin{array}{r} 4 \quad 4 \\ -1 \quad -3 \\ \hline \end{array}$ | CLUSTER 4s $\begin{array}{r} 5 \quad 5 \\ -1 \quad -4 \\ \hline \end{array}$ | CLUSTER 5s $\begin{array}{r} 6 \quad 6 \\ -1 \quad -5 \\ \hline \end{array}$ |
| CLUSTER 6s $\begin{array}{r} 7 \quad 7 \\ -1 \quad -6 \\ \hline \end{array}$ | CLUSTER 7s $\begin{array}{r} 8 \quad 8 \\ -1 \quad -7 \\ \hline \end{array}$ | CLUSTER 8s $\begin{array}{r} 9 \quad 9 \\ -1 \quad -8 \\ \hline \end{array}$ | CLUSTER 9s $\begin{array}{r} 10 \quad 10 \\ -1 \quad -9 \\ \hline \end{array}$ | CLUSTER 10s $\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$ |
| CLUSTER 11s $\begin{array}{r} 5 \quad 5 \\ -2 \quad -3 \\ \hline \end{array}$ | CLUSTER 12s $\begin{array}{r} 6 \quad 6 \\ -2 \quad -4 \\ \hline \end{array}$ | CLUSTER 13s $\begin{array}{r} 7 \quad 7 \\ -2 \quad -5 \\ \hline \end{array}$ | CLUSTER 14s $\begin{array}{r} 8 \quad 8 \\ -2 \quad -6 \\ \hline \end{array}$ | CLUSTER 15s $\begin{array}{r} 9 \quad 9 \\ -2 \quad -7 \\ \hline \end{array}$ |
| CLUSTER 16s $\begin{array}{r} 10 \quad 10 \\ -2 \quad -8 \\ \hline \end{array}$ | CLUSTER 17s $\begin{array}{r} 11 \quad 11 \\ -2 \quad -9 \\ \hline \end{array}$ | CLUSTER 18s $\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$ | CLUSTER 19s $\begin{array}{r} 7 \quad 7 \\ -3 \quad -4 \\ \hline \end{array}$ | CLUSTER 20s $\begin{array}{r} 8 \quad 8 \\ -3 \quad -5 \\ \hline \end{array}$ |
| CLUSTER 21s $\begin{array}{r} 9 \quad 9 \\ -3 \quad -6 \\ \hline \end{array}$ | CLUSTER 22s $\begin{array}{r} 10 \quad 10 \\ -3 \quad -7 \\ \hline \end{array}$ | CLUSTER 23s $\begin{array}{r} 11 \quad 11 \\ -3 \quad -8 \\ \hline \end{array}$ | CLUSTER 24s $\begin{array}{r} 12 \quad 12 \\ -3 \quad -9 \\ \hline \end{array}$ | CLUSTER 25s $\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$ |
| CLUSTER 26s $\begin{array}{r} 9 \quad 9 \\ -4 \quad -5 \\ \hline \end{array}$ | CLUSTER 27s $\begin{array}{r} 10 \quad 10 \\ -4 \quad -6 \\ \hline \end{array}$ | CLUSTER 28s $\begin{array}{r} 11 \quad 11 \\ -4 \quad -7 \\ \hline \end{array}$ | CLUSTER 29s $\begin{array}{r} 12 \quad 12 \\ -4 \quad -8 \\ \hline \end{array}$ | CLUSTER 30s $\begin{array}{r} 13 \quad 13 \\ -4 \quad -9 \\ \hline \end{array}$ |
| CLUSTER 31s $\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$ | CLUSTER 32s $\begin{array}{r} 11 \quad 11 \\ -5 \quad -6 \\ \hline \end{array}$ | CLUSTER 33s $\begin{array}{r} 12 \quad 12 \\ -5 \quad -7 \\ \hline \end{array}$ | CLUSTER 34s $\begin{array}{r} 13 \quad 13 \\ -5 \quad -8 \\ \hline \end{array}$ | CLUSTER 35s $\begin{array}{r} 14 \quad 14 \\ -5 \quad -9 \\ \hline \end{array}$ |
| CLUSTER 36s $\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$ | CLUSTER 37s $\begin{array}{r} 13 \quad 13 \\ -6 \quad -7 \\ \hline \end{array}$ | CLUSTER 38s $\begin{array}{r} 14 \quad 14 \\ -6 \quad -8 \\ \hline \end{array}$ | CLUSTER 39s $\begin{array}{r} 15 \quad 15 \\ -6 \quad -9 \\ \hline \end{array}$ | CLUSTER 40s $\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$ |
| CLUSTER 41s $\begin{array}{r} 15 \quad 15 \\ -7 \quad -8 \\ \hline \end{array}$ | CLUSTER 42s $\begin{array}{r} 16 \quad 16 \\ -7 \quad -9 \\ \hline \end{array}$ | CLUSTER 43s $\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$ | CLUSTER 44s $\begin{array}{r} 17 \quad 17 \\ -8 \quad -9 \\ \hline \end{array}$ | CLUSTER 45s $\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$ |