

MATH

1

Name _____

Date _____ *Clusters 1-5*

FACTS

CLUSTER 1

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

CLUSTER 2

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

CLUSTER 3

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

CLUSTER 4

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

CLUSTER 5

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

$$\begin{array}{r} 15 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +13 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +41 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ -15 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ -23 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ -15 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -45 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ -41 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ -31 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ -21 \\ \hline \end{array}$$

MATH

2

Name _____

Date _____ *CLUSTERS 3-7*

$$\begin{array}{r} 17 \\ +61 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +34 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +71 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ +51 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ -17 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +51 \\ \hline \end{array}$$

$$\begin{array}{r} 161 \\ +713 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ -14 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ 14 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 351 \\ 116 \\ +111 \\ \hline \end{array}$$

$$\begin{array}{r} 587 \\ -416 \\ \hline \end{array}$$

$$\begin{array}{r} 684 \\ -511 \\ \hline \end{array}$$

FACTS

CLUSTER 3

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

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

CLUSTER 4

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

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

CLUSTER 5

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

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

CLUSTER 6

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

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

CLUSTER 7

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

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

MATH

3

Clusters 4-9

Name _____

Date _____

CLUSTER 4

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

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

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

CLUSTER 9

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

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

$$\begin{array}{r} 65 \\ -51 \end{array}$$

CLUSTER 5

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

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

$$\begin{array}{r} 17 \\ +41 \end{array}$$

$$\begin{array}{r} 68 \\ -11 \end{array}$$

$$\begin{array}{r} 14 \\ +91 \end{array}$$

$$\begin{array}{r} 5 \quad 10 \\ \cancel{60} \\ -41 \end{array}$$

$$\begin{array}{r} 57 \\ +11 \end{array}$$

$$\begin{array}{r} 56 \\ +11 \end{array}$$

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

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

$$\begin{array}{r} 90 \\ -79 \end{array}$$

$$\begin{array}{r} 109 \\ +51 \end{array}$$

$$\begin{array}{r} 91 \\ +17 \end{array}$$

$$\begin{array}{r} 59 \\ -41 \end{array}$$

$$\begin{array}{r} 411 \\ +158 \end{array}$$

$$\begin{array}{r} 96 \\ -81 \end{array}$$

$$\begin{array}{r} 601 \\ +189 \end{array}$$

CLUSTER 6

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

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

$$\begin{array}{r} 107 \\ -96 \end{array}$$

CLUSTER 7

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

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

$$\begin{array}{r} 657 \\ -516 \end{array}$$

CLUSTER 8

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

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

MATH

4

Name _____

Date _____ *Clusters 6-10*

FACTS

CLUSTER 10

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

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

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

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

$$\begin{array}{r} 72 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -78 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +91 \\ \hline \end{array}$$

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

$$\begin{array}{r} 79 \\ -18 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ -16 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 121 \\ +927 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ -17 \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} 61 \\ 17 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 161 \\ 816 \\ +111 \\ \hline \end{array}$$

$$\begin{array}{r} 104 \\ -92 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ -22 \\ \hline \end{array}$$

MATH

5

Clusters 10-12

Name _____ Date _____

CLUSTER 11

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

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

$$\begin{array}{r} 34 \\ +22 \\ \hline \end{array}$$

CLUSTER 10

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

$$\begin{array}{r} 22 \\ +44 \\ \hline \end{array}$$

CLUSTER 12

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

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

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

$$\begin{array}{r} 42 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ +23 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ -43 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -34 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 322 \\ +242 \\ \hline \end{array}$$

$$\begin{array}{r} 242 \\ +423 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ +232 \\ \hline \end{array}$$

$$\begin{array}{r} 322 \\ +223 \\ \hline \end{array}$$

$$\begin{array}{r} 224 \\ +342 \\ \hline \end{array}$$

$$\begin{array}{r} 546 \\ -322 \\ \hline \end{array}$$

$$\begin{array}{r} 564 \\ -222 \\ \hline \end{array}$$

$$\begin{array}{r} 656 \\ -234 \\ \hline \end{array}$$

$$\begin{array}{r} 656 \\ -432 \\ \hline \end{array}$$

$$\begin{array}{r} 554 \\ -322 \\ \hline \end{array}$$

Name _____

Date _____

$$\begin{array}{r} 52 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ +25 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +62 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +56 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 78 \\ -52 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ -25 \\ \hline \end{array}$$

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

CLUSTER 13

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

$$\begin{array}{r} 567 \\ +222 \\ \hline \end{array}$$

CLUSTER 14

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

$$\begin{array}{r} 765 \\ +222 \\ \hline \end{array}$$

CLUSTER 15

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

$$\begin{array}{r} 799 \\ -272 \\ \hline \end{array}$$

$$\begin{array}{r} 977 \\ -225 \\ \hline \end{array}$$

$$\begin{array}{r} 898 \\ -226 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ -345 \\ \hline \end{array}$$

$$\begin{array}{r} 878 \\ -252 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ +727 \\ \hline \end{array}$$

$$\begin{array}{r} 275 \\ +522 \\ \hline \end{array}$$

$$\begin{array}{r} 226 \\ +562 \\ \hline \end{array}$$

$$\begin{array}{r} 277 \\ +622 \\ \hline \end{array}$$

$$\begin{array}{r} 272 \\ +526 \\ \hline \end{array}$$

MATH

7

Name _____ Date _____

Clusters 10-15

FACTS

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

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

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

$$\begin{array}{r} 22 \\ +56 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ -35 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ -62 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ -42 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ +324 \\ \hline \end{array}$$

$$\begin{array}{r} 422 \\ +226 \\ \hline \end{array}$$

$$\begin{array}{r} 762 \\ +225 \\ \hline \end{array}$$

$$\begin{array}{r} 322 \\ +273 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ +426 \\ \hline \end{array}$$

$$\begin{array}{r} 724 \\ +252 \\ \hline \end{array}$$

$$\begin{array}{r} 422 \\ +252 \\ \hline \end{array}$$

$$\begin{array}{r} 272 \\ +627 \\ \hline \end{array}$$

$$\begin{array}{r} 764 \\ -522 \\ \hline \end{array}$$

$$\begin{array}{r} 295 \\ -273 \\ \hline \end{array}$$

$$\begin{array}{r} 657 \\ -432 \\ \hline \end{array}$$

$$\begin{array}{r} 769 \\ -227 \\ \hline \end{array}$$

MATH

8

Name _____

Date _____ *Clusters 10-15*

$$\begin{array}{r} 227 \\ +452 \\ \hline \end{array}$$

$$\begin{array}{r} 236 \\ +322 \\ \hline \end{array}$$

$$\begin{array}{r} 242 \\ +726 \\ \hline \end{array}$$

$$\begin{array}{r} 679 \\ -227 \\ \hline \end{array}$$

$$\begin{array}{r} 558 \\ -236 \\ \hline \end{array}$$

$$\begin{array}{r} 968 \\ -242 \\ \hline \end{array}$$

$$\begin{array}{r} 7,243 \\ +2,522 \\ \hline \end{array}$$

$$\begin{array}{r} 2,622 \\ +3,272 \\ \hline \end{array}$$

$$\begin{array}{r} 2,225 \\ +2,462 \\ \hline \end{array}$$

$$\begin{array}{r} 9,765 \\ -7,243 \\ \hline \end{array}$$

$$\begin{array}{r} 5,894 \\ -2,622 \\ \hline \end{array}$$

$$\begin{array}{r} 4,687 \\ -2,225 \\ \hline \end{array}$$

FACTS

CLUSTER 10

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

CLUSTER 11

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

CLUSTER 12

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

CLUSTER 13

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

CLUSTER 14

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

CLUSTER 15

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

Name _____

Date _____

CLUSTER 11

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

$$\begin{array}{r} 798 \\ -222 \\ \hline \end{array}$$

CLUSTER 16

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

$$\begin{array}{r} 667 \\ -242 \\ \hline \end{array}$$

CLUSTER 12

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

$$\begin{array}{r} 276 \\ +822 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 312 \\ +258 \\ \hline \end{array}$$

$$\begin{array}{r} 598 \\ -326 \\ \hline \end{array}$$

$$\begin{array}{r} 238 \\ +422 \\ \hline \end{array}$$

$$\begin{array}{r} 182 \\ +527 \\ \hline \end{array}$$

$$\begin{array}{r} 1,078 \\ -252 \\ \hline \end{array}$$

$$\begin{array}{r} 722 \\ +237 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ -87 \\ \hline \end{array}$$

$$\begin{array}{r} 185 \\ +622 \\ \hline \end{array}$$

$$\begin{array}{r} 642 \\ +228 \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ -82 \\ \hline \end{array}$$

$$\begin{array}{r} 522 \\ +256 \\ \hline \end{array}$$

$$\begin{array}{r} 886 \\ -262 \\ \hline \end{array}$$

$$\begin{array}{r} 842 \\ +224 \\ \hline \end{array}$$

CLUSTER 13

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

$$\begin{array}{r} 105 \\ -83 \\ \hline \end{array}$$

CLUSTER 14

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

$$\begin{array}{r} 105 \\ -22 \\ \hline \end{array}$$

CLUSTER 15

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

MATH

10

Clusters 12-16

Name _____ Date _____

$$\begin{array}{r} 187 \\ +822 \\ \hline \end{array}$$

$$\begin{array}{r} 897 \\ -222 \\ \hline \end{array}$$

$$\begin{array}{r} 522 \\ +276 \\ \hline \end{array}$$

$$\begin{array}{r} 696 \\ -224 \\ \hline \end{array}$$

$$\begin{array}{r} 825 \\ +262 \\ \hline \end{array}$$

$$\begin{array}{r} 382 \\ +226 \\ \hline \end{array}$$

CLUSTER 12

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

$$\begin{array}{r} 262 \\ +426 \\ \hline \end{array}$$

CLUSTER 13

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

$$\begin{array}{r} 242 \\ +825 \\ \hline \end{array}$$

$$\begin{array}{r} 712 \\ +258 \\ \hline \end{array}$$

$$\begin{array}{r} 1,087 \\ -265 \\ \hline \end{array}$$

$$\begin{array}{r} 418 \\ +252 \\ \hline \end{array}$$

$$\begin{array}{r} 1,098 \\ -276 \\ \hline \end{array}$$

$$\begin{array}{r} 267 \\ +422 \\ \hline \end{array}$$

$$\begin{array}{r} 852 \\ +227 \\ \hline \end{array}$$

$$\begin{array}{r} 1,079 \\ -222 \\ \hline \end{array}$$

$$\begin{array}{r} 272 \\ +627 \\ \hline \end{array}$$

$$\begin{array}{r} 1,077 \\ -225 \\ \hline \end{array}$$

$$\begin{array}{r} 124 \\ +482 \\ \hline \end{array}$$

CLUSTER 14

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

$$\begin{array}{r} 1,079 \\ -857 \\ \hline \end{array}$$

CLUSTER 15

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

$$\begin{array}{r} 1,077 \\ -852 \\ \hline \end{array}$$

CLUSTER 16

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

MATH

11

Subtraction Clusters 10s-16s

Name _____ Date _____

$$\begin{array}{r} 657 \\ -432 \\ \hline \end{array}$$

$$\begin{array}{r} 758 \\ -526 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ -25 \\ \hline \end{array}$$

CLUSTER 10s

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 947 \\ -225 \\ \hline \end{array}$$

$$\begin{array}{r} 968 \\ -722 \\ \hline \end{array}$$

$$\begin{array}{r} 1,048 \\ -826 \\ \hline \end{array}$$

CLUSTER 11s

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

$$\begin{array}{r} 856 \\ -622 \\ \hline \end{array}$$

$$\begin{array}{r} 759 \\ -522 \\ \hline \end{array}$$

$$\begin{array}{r} 758 \\ -532 \\ \hline \end{array}$$

CLUSTER 12s

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

$$\begin{array}{r} 1,064 \\ -862 \\ \hline \end{array}$$

$$\begin{array}{r} 679 \\ -427 \\ \hline \end{array}$$

$$\begin{array}{r} 1,060 \\ -220 \\ \hline \end{array}$$

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

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

MATH

CLUSTERS 12-17

12

Name _____

Date _____

CLUSTER 12			
2	4		
<u>+4</u>	<u>+2</u>		
6	6		
<u>-2</u>	<u>-4</u>		

$$\begin{array}{r} 478 \\ -226 \\ \hline \end{array}$$

CLUSTER 17			
2	9		
<u>+9</u>	<u>+2</u>		
11	11		
<u>-2</u>	<u>-9</u>		

$$\begin{array}{r} 1,149 \\ -922 \\ \hline \end{array}$$

CLUSTER 13			
2	5		
<u>+5</u>	<u>+2</u>		
7	7		
<u>-2</u>	<u>-5</u>		

$$\begin{array}{r} 92 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} ^8 ^{11} \\ 91 \\ -29 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ +29 \\ \hline \end{array}$$

$$\begin{array}{r} 1,198 \\ -272 \\ \hline \end{array}$$

$$\begin{array}{r} 262 \\ +628 \\ \hline \end{array}$$

$$\begin{array}{r} ^1 \\ 58 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ -52 \\ \hline \end{array}$$

$$\begin{array}{r} 412 \\ +269 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 926 \\ +252 \\ \hline \end{array}$$

$$\begin{array}{r} ^1 \\ 262 \\ +528 \\ \hline \end{array}$$

$$\begin{array}{r} ^7 ^{11} \\ 781 \\ -522 \\ \hline \end{array}$$

$$\begin{array}{r} 242 \\ +729 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -68 \\ \hline \end{array}$$

$$\begin{array}{r} 185 \\ +422 \\ \hline \end{array}$$

CLUSTER 14			
2	6		
<u>+6</u>	<u>+2</u>		
8	8		
<u>-2</u>	<u>-6</u>		

$$\begin{array}{r} 990 \\ -68 \\ \hline \end{array}$$

CLUSTER 15			
2	7		
<u>+7</u>	<u>+2</u>		
9	9		
<u>-2</u>	<u>-7</u>		

$$\begin{array}{r} 991 \\ -729 \\ \hline \end{array}$$

CLUSTER 16			
2	8		
<u>+8</u>	<u>+2</u>		
10	10		
<u>-2</u>	<u>-8</u>		

MATH

13

CLUSTERS 10-17 (Addition only)

Name _____ Date _____

N	1
E	16
W	62
	<u>+ 2</u>

42	22
25	232
<u>+22</u>	<u>+802</u>

CLUSTER 10a
2
<u>+2</u>

CLUSTER 11a
2 3
<u>+3</u> <u>+2</u>

CLUSTER 12a
2 4
<u>+4</u> <u>+2</u>

CLUSTER 13a
2 5
<u>+5</u> <u>+2</u>

CLUSTER 14a
2 6
<u>+6</u> <u>+2</u>

CLUSTER 15a
2 7
<u>+7</u> <u>+2</u>

CLUSTER 16a
2 8
<u>+8</u> <u>+2</u>

CLUSTER 17a
2 9
<u>+9</u> <u>+2</u>

22	22	206
23	75	22
<u>+22</u>	<u>+22</u>	<u>+970</u>

57	22	172
22	65	626
<u>+22</u>	<u>+22</u>	<u>+ 20</u>

72	252	32
24	924	226
<u>+22</u>	<u>+ 22</u>	<u>+ 22</u>

Name _____

Date _____

CLUSTER 13

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

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

$$\begin{array}{r} 689 \\ -362 \end{array}$$

$$\begin{array}{r} 922 \\ +238 \end{array}$$

$$\begin{array}{r} 768 \\ -536 \end{array}$$

CLUSTER 14

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

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

$$\begin{array}{r} 229 \quad 1,180 \\ +532 \quad -958 \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 119 \\ -92 \end{array}$$

$$\begin{array}{r} 127 \\ +582 \end{array}$$

$$\begin{array}{r} 262 \\ +928 \end{array}$$

$$\begin{array}{r} 118 \\ -22 \end{array}$$

$$\begin{array}{r} 263 \\ +723 \end{array}$$

$$\begin{array}{r} 109 \\ -87 \end{array}$$

$$\begin{array}{r} 522 \\ +276 \end{array}$$

$$\begin{array}{r} 348 \\ +322 \end{array}$$

$$\begin{array}{r} 970 \\ -732 \end{array}$$

$$\begin{array}{r} 629 \\ +232 \end{array}$$

$$\begin{array}{r} 808 \\ -222 \end{array}$$

$$\begin{array}{r} 842 \\ +229 \end{array}$$

CLUSTER 15

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

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

$$\begin{array}{r} 796 \\ -223 \end{array}$$

CLUSTER 16

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

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

$$\begin{array}{r} 817 \\ -423 \end{array}$$

CLUSTER 17

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

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

Name _____

Date _____

CLUSTER 14

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

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

$$\begin{array}{r} 987 \\ -264 \\ \hline \end{array}$$

CLUSTER 19

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

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

$$\begin{array}{r} 976 \\ -243 \\ \hline \end{array}$$

CLUSTER 15

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

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

$$\begin{array}{r} 293 \\ +423 \\ \hline \end{array} \quad \begin{array}{r} 1,180 \\ -938 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 117 \\ -93 \\ \hline \end{array}$$

$$\begin{array}{r} 722 \\ +248 \\ \hline \end{array}$$

$$\begin{array}{r} 362 \\ +428 \\ \hline \end{array}$$

$$\begin{array}{r} 811 \\ -202 \\ \hline \end{array}$$

$$\begin{array}{r} 236 \\ +732 \\ \hline \end{array}$$

$$\begin{array}{r} 910 \\ -708 \\ \hline \end{array}$$

$$\begin{array}{r} 242 \\ +736 \\ \hline \end{array}$$

$$\begin{array}{r} 238 \\ +632 \\ \hline \end{array}$$

$$\begin{array}{r} 990 \\ -762 \\ \hline \end{array}$$

$$\begin{array}{r} 459 \\ +322 \\ \hline \end{array}$$

$$\begin{array}{r} 908 \\ -222 \\ \hline \end{array}$$

$$\begin{array}{r} 372 \\ +329 \\ \hline \end{array}$$

CLUSTER 16

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

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

$$\begin{array}{r} 978 \\ -242 \\ \hline \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 771 \\ -432 \\ \hline \end{array}$$

CLUSTER 17

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

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

Name _____

Date _____

CLUSTER 15

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

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

$$\begin{array}{r} 109 \\ - 87 \end{array}$$

CLUSTER 20

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

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

$$\begin{array}{r} 698 \\ -375 \end{array}$$

CLUSTER 16

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

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

$$\begin{array}{r} 238 \\ +732 \end{array}$$

$$\begin{array}{r} 90 \\ -32 \end{array}$$

$$\begin{array}{r} 543 \\ +335 \end{array}$$

$$\begin{array}{r} 1,181 \\ - 239 \end{array}$$

$$\begin{array}{r} 739 \\ +232 \end{array}$$

$$\begin{array}{r} 529 \\ +342 \end{array}$$

$$\begin{array}{r} 897 \\ -523 \end{array}$$

$$\begin{array}{r} 233 \\ +953 \end{array}$$

$$\begin{array}{r} 107 \\ - 24 \end{array}$$

$$\begin{array}{r} 212 \\ +389 \end{array}$$

$$\begin{array}{r} 237 \\ +852 \end{array}$$

$$\begin{array}{r} 1,176 \\ - 943 \end{array}$$

$$\begin{array}{r} 248 \\ +732 \end{array}$$

$$\begin{array}{r} 80 \\ -38 \end{array}$$

$$\begin{array}{r} 233 \\ +745 \end{array}$$

CLUSTER 17

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

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

$$\begin{array}{r} 918 \\ -325 \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 869 \\ -332 \end{array}$$

CLUSTER 19

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

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

MATH

17

Name _____

Date _____

Addition Review Clusters 1-20

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

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

$$\begin{array}{r} 125 \\ +543 \\ \hline \end{array}$$

$$\begin{array}{r} 422 \\ +286 \\ \hline \end{array}$$

$$\begin{array}{r} 102 \\ +988 \\ \hline \end{array}$$

$$\begin{array}{r} 229 \\ +742 \\ \hline \end{array}$$

$$\begin{array}{r} 272 \\ +319 \\ \hline \end{array}$$

$$\begin{array}{r} 339 \\ +512 \\ \hline \end{array}$$

$$\begin{array}{r} 609 \\ +271 \\ \hline \end{array}$$

$$\begin{array}{r} 215 \\ +862 \\ \hline \end{array}$$

$$\begin{array}{r} 701 \\ +249 \\ \hline \end{array}$$

$$131$$

$$111$$

$$263$$

$$141$$

$$231$$

$$322$$

$$215$$

$$522$$

$$201$$

$$\begin{array}{r} +322 \\ \hline \end{array}$$

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

$$\begin{array}{r} +222 \\ \hline \end{array}$$

Name _____

Date _____

CLUSTER 16

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

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

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

CLUSTER 21

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

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

$$\begin{array}{r} 698 \\ -365 \end{array}$$

CLUSTER 17

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

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

$$\begin{array}{r} 328 \\ +362 \end{array}$$

$$\begin{array}{r} 90 \\ -32 \end{array}$$

$$\begin{array}{r} 236 \\ +953 \end{array}$$

$$\begin{array}{r} 1,181 \\ - 239 \end{array}$$

$$\begin{array}{r} 639 \\ +332 \end{array}$$

$$\begin{array}{r} 483 \\ +326 \end{array}$$

$$\begin{array}{r} 879 \\ -533 \end{array}$$

$$\begin{array}{r} 233 \\ +953 \end{array}$$

$$\begin{array}{r} 107 \\ - 24 \end{array}$$

$$\begin{array}{r} 312 \\ +398 \end{array}$$

$$\begin{array}{r} 263 \\ +834 \end{array}$$

$$\begin{array}{r} 1,167 \\ - 934 \end{array}$$

$$\begin{array}{r} 349 \\ +632 \end{array}$$

$$\begin{array}{r} 80 \\ -38 \end{array}$$

$$\begin{array}{r} 433 \\ +365 \end{array}$$

CLUSTER 19

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

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

$$\begin{array}{r} 918 \\ -325 \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 689 \\ -332 \end{array}$$

CLUSTER 20

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

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

Name _____

Date _____

CLUSTER 11

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

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

$$\begin{array}{r} 845 \\ -623 \\ \hline \end{array}$$

CLUSTER 13

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

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

$$\begin{array}{r} 90 \\ -68 \\ \hline \end{array}$$

CLUSTER 14

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

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

$$22$$

$$+82$$

$$607$$

$$-225$$

$$232$$

$$+526$$

$$81$$

$$-59$$

$$58$$

$$+22$$

$$123$$

$$+592$$

$$818$$

$$-292$$

$$618$$

$$+232$$

$$587$$

$$-222$$

$$122$$

$$+583$$

$$352$$

$$+226$$

$$1,011$$

$$-802$$

$$219$$

$$+932$$

$$890$$

$$-628$$

$$212$$

$$+329$$

CLUSTER 16

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

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

$$\begin{array}{r} 550 \\ -328 \\ \hline \end{array}$$

CLUSTER 10

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

$$\begin{array}{r} 511 \\ -222 \\ \hline \end{array}$$

CLUSTER 17

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

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

Name _____

Date _____

CLUSTER 17

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

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

$$\begin{array}{r} 116 \\ -93 \end{array}$$

CLUSTER 22

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

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

$$\begin{array}{r} 790 \\ -437 \end{array}$$

CLUSTER 19

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

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

23

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

107

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

33

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

120

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

25

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

433

$$\begin{array}{r} +363 \end{array}$$

108

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

349

$$\begin{array}{r} +732 \end{array}$$

698

$$\begin{array}{r} -335 \end{array}$$

352

$$\begin{array}{r} +439 \end{array}$$

736

$$\begin{array}{r} +353 \end{array}$$

119

$$\begin{array}{r} -26 \end{array}$$

327

$$\begin{array}{r} +533 \end{array}$$

981

$$\begin{array}{r} -632 \end{array}$$

2,943

$$\begin{array}{r} 6,235 \end{array}$$

CLUSTER 21

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

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

$$\begin{array}{r} 879 \\ -333 \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 110 \\ -37 \end{array}$$

CLUSTER 20

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

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

Name _____

Date _____

$$\begin{array}{r} 36 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ -54 \\ \hline \end{array}$$

CLUSTER 23

3	8
<u>+8</u>	<u>+3</u>
11	11
<u>-3</u>	<u>-8</u>

$$\begin{array}{r} 978 \\ -343 \\ \hline \end{array}$$

$$\begin{array}{r} 353 \\ +336 \\ \hline \end{array}$$

$$\begin{array}{r} 448 \\ +333 \\ \hline \end{array}$$

$$\begin{array}{r} 990 \\ -637 \\ \hline \end{array}$$

$$\begin{array}{r} 335 \\ +463 \\ \hline \end{array}$$

$$\begin{array}{r} 117 \\ - 33 \\ \hline \end{array}$$

$$\begin{array}{r} 428 \\ +353 \\ \hline \end{array}$$

$$\begin{array}{r} 323 \\ +847 \\ \hline \end{array}$$

$$\begin{array}{r} 681 \\ -338 \\ \hline \end{array}$$

$$\begin{array}{r} 827 \\ +343 \\ \hline \end{array}$$

$$\begin{array}{r} 720 \\ -387 \\ \hline \end{array}$$

$$\begin{array}{r} 263 \\ +738 \\ \hline \end{array}$$

$$\begin{array}{r} 233 \\ +685 \\ \hline \end{array}$$

$$\begin{array}{r} 920 \\ -533 \\ \hline \end{array}$$

$$\begin{array}{r} 636 \\ +373 \\ \hline \end{array}$$

$$\begin{array}{r} 989 \\ -633 \\ \hline \end{array}$$

$$\begin{array}{r} 436 \\ +353 \\ \hline \end{array}$$

CLUSTER 19

3	4
<u>+4</u>	<u>+3</u>
7	7
<u>-3</u>	<u>-4</u>

CLUSTER 20

3	5
<u>+5</u>	<u>+3</u>
8	8
<u>-3</u>	<u>-5</u>

CLUSTER 18

3	6
<u>+3</u>	<u>-3</u>

CLUSTER 21

3	6
<u>+6</u>	<u>+3</u>
9	9
<u>-3</u>	<u>-6</u>

CLUSTER 22

3	7
<u>+7</u>	<u>+3</u>
10	10
<u>-3</u>	<u>-7</u>

Name _____

Date _____

CLUSTER 19

3	4
<u>+4</u>	<u>+3</u>
7	7
<u>-3</u>	<u>-4</u>

$$\begin{array}{r} 98 \\ -35 \\ \hline \end{array}$$

CLUSTER 24

3	9
<u>+9</u>	<u>+3</u>
12	12
<u>-3</u>	<u>-9</u>

$$\begin{array}{r} 812 \\ -489 \\ \hline \end{array}$$

CLUSTER 20

3	5
<u>+5</u>	<u>+3</u>
8	8
<u>-3</u>	<u>-5</u>

$$\begin{array}{r} 365 \\ +433 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ -38 \\ \hline \end{array}$$

$$\begin{array}{r} 629 \\ +393 \\ \hline \end{array}$$

$$\begin{array}{r} 1,280 \\ -333 \\ \hline \end{array}$$

$$\begin{array}{r} 283 \\ +934 \\ \hline \end{array}$$

$$\begin{array}{r} 234 \\ +583 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ -33 \\ \hline \end{array}$$

$$\begin{array}{r} 273 \\ +637 \\ \hline \end{array}$$

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

$$\begin{array}{r} 543 \\ +338 \\ \hline \end{array}$$

$$\begin{array}{r} 223 \\ +679 \\ \hline \end{array}$$

$$\begin{array}{r} 1,182 \\ -849 \\ \hline \end{array}$$

$$\begin{array}{r} 327 \\ +543 \\ \hline \end{array}$$

$$\begin{array}{r} 1,291 \\ -933 \\ \hline \end{array}$$

$$\begin{array}{r} 283 \\ +939 \\ \hline \end{array}$$

CLUSTER 21

3	6
<u>+6</u>	<u>+3</u>
9	9
<u>-3</u>	<u>-6</u>

$$\begin{array}{r} 1,098 \\ -365 \\ \hline \end{array}$$

CLUSTER 22

3	7
<u>+7</u>	<u>+3</u>
10	10
<u>-3</u>	<u>-7</u>

$$\begin{array}{r} 819 \\ -336 \\ \hline \end{array}$$

CLUSTER 23

3	8
<u>+8</u>	<u>+3</u>
11	11
<u>-3</u>	<u>-8</u>

MATH

23

REVIEW CLUSTERS 9, 12, 15, 18-19

Name _____

Date _____

$$\begin{array}{r} 324 \\ +373 \\ \hline \end{array}$$

$$\begin{array}{r} 143 \\ +924 \\ \hline \end{array}$$

$$\begin{array}{r} 697 \\ -324 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ -29 \\ \hline \end{array}$$

$$\begin{array}{r} 493 \\ +214 \\ \hline \end{array}$$

$$\begin{array}{r} 243 \\ +433 \\ \hline \end{array}$$

$$\begin{array}{r} 707 \\ -293 \\ \hline \end{array}$$

$$\begin{array}{r} 670 \\ -321 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ +942 \\ \hline \end{array}$$

$$\begin{array}{r} 132 \\ +947 \\ \hline \end{array}$$

$$\begin{array}{r} 796 \\ -474 \\ \hline \end{array}$$

$$\begin{array}{r} 979 \\ -247 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ 73 \\ +912 \\ \hline \end{array}$$

$$\begin{array}{r} 909 \\ +91 \\ \hline \end{array}$$

$$\begin{array}{r} 809 \\ -312 \\ \hline \end{array}$$

$$\begin{array}{r} 710 \\ -391 \\ \hline \end{array}$$

FACTS

CLUSTER 9

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

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

CLUSTER 12

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

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

CLUSTER 15

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

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

CLUSTER 18

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

CLUSTER 19

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

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

MATH

24

CLUSTERS 20-25

Name _____

Date _____

CLUSTER 20

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

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

$$\begin{array}{r} 888 \\ -354 \end{array}$$

CLUSTER 25

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

$$\begin{array}{r} 990 \\ -637 \end{array}$$

CLUSTER 21

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

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

$$\begin{array}{r} 734 \\ +364 \end{array}$$

$$\begin{array}{r} 901 \\ -538 \end{array}$$

$$\begin{array}{r} 55 \\ 33 \\ +33 \end{array}$$

$$\begin{array}{r} 991 \\ -343 \end{array}$$

$$\begin{array}{r} 29 \\ +93 \end{array}$$

$$\begin{array}{r} 836 \\ +353 \end{array}$$

$$\begin{array}{r} 1,031 \\ -698 \end{array}$$

$$\begin{array}{r} 324 \\ 54 \\ +433 \end{array}$$

$$\begin{array}{r} 1,320 \\ -383 \end{array}$$

$$\begin{array}{r} 728 \\ +353 \end{array}$$

$$\begin{array}{r} 343 \\ +738 \end{array}$$

$$\begin{array}{r} 111 \\ -73 \end{array}$$

$$\begin{array}{r} 892 \\ -459 \end{array}$$

$$\begin{array}{r} 3,223 \\ +8,697 \end{array}$$

CLUSTER 22

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

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

$$\begin{array}{r} 112 \\ -33 \end{array}$$

CLUSTER 23

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

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

$$\begin{array}{r} 1,191 \\ -843 \end{array}$$

CLUSTER 24

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

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

MATH

25

CLUSTERS 10, 13-14, 16-17

Name _____

Date _____

$$\begin{array}{r} 26 \\ +22 \\ \hline \end{array} \quad \begin{array}{r} 592 \\ +222 \\ \hline \end{array} \quad \begin{array}{r} 487 \\ -262 \\ \hline \end{array} \quad \begin{array}{r} 921 \\ -292 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ +28 \\ \hline \end{array} \quad \begin{array}{r} 118 \\ +592 \\ \hline \end{array} \quad \begin{array}{r} 791 \\ -529 \\ \hline \end{array} \quad \begin{array}{r} 810 \\ -582 \\ \hline \end{array}$$

$$\begin{array}{r} 172 \\ +529 \\ \hline \end{array} \quad \begin{array}{r} 625 \\ +262 \\ \hline \end{array} \quad \begin{array}{r} 920 \\ -622 \\ \hline \end{array} \quad \begin{array}{r} 488 \\ -262 \\ \hline \end{array}$$

$$\begin{array}{r} 912 \\ +268 \\ \hline \end{array} \quad \begin{array}{r} 219 \\ +822 \\ \hline \end{array} \quad \begin{array}{r} 507 \\ -282 \\ \hline \end{array} \quad \begin{array}{r} 781 \\ -252 \\ \hline \end{array}$$

FACTS

CLUSTER 10

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

CLUSTER 13

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

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

CLUSTER 14

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

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

CLUSTER 16

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

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

CLUSTER 17

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

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

Name _____

Date _____

CLUSTER 21

3	6
<u>+6</u>	<u>+3</u>
9	9
<u>-3</u>	<u>-6</u>

$$\begin{array}{r} 999 \\ -635 \\ \hline \end{array}$$

CLUSTER 26

4	5
<u>+5</u>	<u>+4</u>
9	9
<u>-4</u>	<u>-5</u>

$$\begin{array}{r} 1,300 \\ -357 \\ \hline \end{array}$$

CLUSTER 22

3	7
<u>+7</u>	<u>+3</u>
10	10
<u>-3</u>	<u>-7</u>

$$\begin{array}{r} 354 \\ +644 \\ \hline \end{array}$$

$$\begin{array}{r} 900 \\ -447 \\ \hline \end{array}$$

$$\begin{array}{r} 990 \\ -343 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ +568 \\ \hline \end{array}$$

$$525$$

$$384$$

$$\begin{array}{r} 837 \\ +353 \\ \hline \end{array}$$

$$\begin{array}{r} 931 \\ -498 \\ \hline \end{array}$$

$$\begin{array}{r} +303 \\ \hline \end{array}$$

$$\begin{array}{r} 1,202 \\ -369 \\ \hline \end{array}$$

$$\begin{array}{r} 323 \\ 479 \\ \hline \end{array}$$

$$407$$

$$\begin{array}{r} 523 \\ +397 \\ \hline \end{array}$$

$$\begin{array}{r} 1,020 \\ -533 \\ \hline \end{array}$$

$$\begin{array}{r} 430 \\ +353 \\ \hline \end{array}$$

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

$$\begin{array}{r} 395 \\ +434 \\ \hline \end{array}$$

CLUSTER 23

3	8
<u>+8</u>	<u>+3</u>
11	11
<u>-3</u>	<u>-8</u>

$$\begin{array}{r} 991 \\ -448 \\ \hline \end{array}$$

CLUSTER 25

4	8
<u>+4</u>	<u>-4</u>

$$\begin{array}{r} 1,232 \\ -393 \\ \hline \end{array}$$

CLUSTER 24

3	9
<u>+9</u>	<u>+3</u>
12	12
<u>-3</u>	<u>-9</u>