

MATH

1

Name _____

Date _____ *Clusters 1-5*

FACTS

CLUSTER 1

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

CLUSTER 2

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

CLUSTER 3

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

CLUSTER 4

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

CLUSTER 5

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

$$\begin{array}{r} 15 \\ +21 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 21 \\ +13 \\ \hline 34 \end{array}$$

$$\begin{array}{r} 11 \\ +15 \\ \hline 26 \end{array}$$

$$\begin{array}{r} 45 \\ +11 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 34 \\ +11 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 14 \\ +41 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 31 \\ +12 \\ \hline 43 \end{array}$$

$$\begin{array}{r} 21 \\ +14 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 36 \\ -15 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 34 \\ -23 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 26 \\ -15 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 56 \\ -45 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 45 \\ -11 \\ \hline 34 \end{array}$$

$$\begin{array}{r} 55 \\ -41 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 43 \\ -31 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 34 \\ -21 \\ \hline 13 \end{array}$$

MATH

2

Name _____

Date _____ *CLUSTERS 3-7*

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

$$\begin{array}{r} 11 \\ +34 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 64 \\ -13 \\ \hline 51 \end{array}$$

$$\begin{array}{r} 15 \\ +71 \\ \hline 86 \end{array}$$

$$\begin{array}{r} 17 \\ +51 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 58 \\ -17 \\ \hline 41 \end{array}$$

$$\begin{array}{r} 14 \\ +51 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 161 \\ +713 \\ \hline 874 \end{array}$$

$$\begin{array}{r} 75 \\ -14 \\ \hline 61 \end{array}$$

$$\begin{array}{r} 31 \\ 14 \\ +11 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 351 \\ 116 \\ +111 \\ \hline 578 \end{array}$$

$$\begin{array}{r} 587 \\ -416 \\ \hline 171 \end{array}$$

$$\begin{array}{r} 684 \\ -513 \\ \hline 171 \end{array}$$

FACTS

CLUSTER 3

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

CLUSTER 4

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

CLUSTER 5

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

CLUSTER 6

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

CLUSTER 7

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

Name _____

Date _____

CLUSTER 4

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

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

CLUSTER 9

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

$$\begin{array}{r} 65 \\ -51 \\ \hline 14 \end{array}$$

CLUSTER 5

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

$$\begin{array}{r} 17 \\ +41 \\ \hline 58 \end{array}$$

$$\begin{array}{r} 68 \\ -11 \\ \hline 57 \end{array}$$

$$\begin{array}{r} 14 \\ +91 \\ \hline 105 \end{array}$$

$$\begin{array}{r} 5 \quad 10 \\ 60 \\ -41 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 57 \\ +11 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 56 \\ +11 \\ \hline 67 \end{array}$$

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

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

$$\begin{array}{r} 90 \\ -79 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 109 \\ +51 \\ \hline 160 \end{array}$$

$$\begin{array}{r} 91 \\ +17 \\ \hline 108 \end{array}$$

$$\begin{array}{r} 59 \\ -41 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 411 \\ +158 \\ \hline 569 \end{array}$$

$$\begin{array}{r} 96 \\ -81 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 601 \\ +189 \\ \hline 790 \end{array}$$

CLUSTER 6

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

$$\begin{array}{r} 107 \\ -96 \\ \hline 11 \end{array}$$

CLUSTER 7

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

$$\begin{array}{r} 657 \\ -516 \\ \hline 141 \end{array}$$

CLUSTER 8

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

MATH

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Name _____

Date _____ *Clusters 6-10*

FACTS

CLUSTER 10

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

CLUSTER 6

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

CLUSTER 7

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

CLUSTER 8

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

CLUSTER 9

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

$$\begin{array}{r} 72 \\ +12 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 89 \\ +11 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 94 \\ -12 \\ \hline 82 \end{array}$$

$$\begin{array}{r} 89 \\ -78 \\ \hline 11 \end{array}$$

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

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

$$\begin{array}{r} 79 \\ -18 \\ \hline 61 \end{array}$$

$$\begin{array}{r} 77 \\ -16 \\ \hline 61 \end{array}$$

$$108$$

$$109$$

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

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

$$\begin{array}{r} 61 \\ +16 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 121 \\ +927 \\ \hline 1048 \end{array}$$

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

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

$$\begin{array}{r} 61 \\ 17 \\ +11 \\ \hline 89 \end{array}$$

$$\begin{array}{r} 161 \\ 816 \\ +111 \\ \hline 1088 \end{array}$$

$$\begin{array}{r} 104 \\ -92 \\ \hline 12 \end{array}$$

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

MATH

5

Clusters 10-12

Name _____ Date _____

CLUSTER 11

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

$$\begin{array}{r} 34 \\ +22 \\ \hline 56 \end{array}$$

CLUSTER 10

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

$$\begin{array}{r} 22 \\ +44 \\ \hline 66 \end{array}$$

CLUSTER 12

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

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

$$\begin{array}{r} 42 \\ +22 \\ \hline 64 \end{array}$$

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

$$\begin{array}{r} 43 \\ +22 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 23 \\ +22 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 64 \\ -22 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 45 \\ -22 \\ \hline 23 \end{array}$$

$$\begin{array}{r} 65 \\ -43 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 56 \\ -34 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 56 \\ -22 \\ \hline 34 \end{array}$$

$$\begin{array}{r} 322 \\ +242 \\ \hline 564 \end{array}$$

$$\begin{array}{r} 242 \\ +423 \\ \hline 665 \end{array}$$

$$\begin{array}{r} 423 \\ +232 \\ \hline 655 \end{array}$$

$$\begin{array}{r} 322 \\ +223 \\ \hline 545 \end{array}$$

$$\begin{array}{r} 224 \\ +342 \\ \hline 566 \end{array}$$

$$\begin{array}{r} 546 \\ -322 \\ \hline 224 \end{array}$$

$$\begin{array}{r} 564 \\ -222 \\ \hline 342 \end{array}$$

$$\begin{array}{r} 656 \\ -234 \\ \hline 422 \end{array}$$

$$\begin{array}{r} 656 \\ -432 \\ \hline 224 \end{array}$$

$$\begin{array}{r} 554 \\ -322 \\ \hline 232 \end{array}$$

Name _____

Date _____

$$\begin{array}{r} 52 \\ +27 \\ \hline 79 \end{array}$$

$$\begin{array}{r} 62 \\ +25 \\ \hline 87 \end{array}$$

$$\begin{array}{r} 76 \\ +22 \\ \hline 98 \end{array}$$

$$\begin{array}{r} 27 \\ +62 \\ \hline 89 \end{array}$$

$$\begin{array}{r} 22 \\ +56 \\ \hline 78 \end{array}$$

$$\begin{array}{r} 89 \\ -67 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 97 \\ -22 \\ \hline 75 \end{array}$$

$$\begin{array}{r} 78 \\ -52 \\ \hline 26 \end{array}$$

$$\begin{array}{r} 77 \\ -25 \\ \hline 52 \end{array}$$

$$\begin{array}{r} 98 \\ -76 \\ \hline 22 \end{array}$$

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

$$\begin{array}{r} 567 \\ +222 \\ \hline 789 \end{array}$$

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

$$\begin{array}{r} 765 \\ +222 \\ \hline 987 \end{array}$$

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

$$\begin{array}{r} 799 \\ -272 \\ \hline 527 \end{array}$$

$$\begin{array}{r} 977 \\ -225 \\ \hline 752 \end{array}$$

$$\begin{array}{r} 898 \\ -226 \\ \hline 672 \end{array}$$

$$\begin{array}{r} 567 \\ -345 \\ \hline 222 \end{array}$$

$$\begin{array}{r} 878 \\ -252 \\ \hline 626 \end{array}$$

$$\begin{array}{r} 252 \\ +727 \\ \hline 979 \end{array}$$

$$\begin{array}{r} 275 \\ +522 \\ \hline 797 \end{array}$$

$$\begin{array}{r} 226 \\ +562 \\ \hline 788 \end{array}$$

$$\begin{array}{r} 277 \\ +622 \\ \hline 899 \end{array}$$

$$\begin{array}{r} 272 \\ +526 \\ \hline 798 \end{array}$$

MATH

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Name _____ Date _____

Clusters 10-15

FACTS

CLUSTER 10

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

CLUSTER 11

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

CLUSTER 12

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

CLUSTER 13

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

CLUSTER 14

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

CLUSTER 15

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

$$\begin{array}{r} 22 \\ +56 \\ \hline 78 \end{array}$$

$$\begin{array}{r} 26 \\ +42 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 24 \\ +72 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 72 \\ +22 \\ \hline 94 \end{array}$$

$$\begin{array}{r} 57 \\ -35 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 58 \\ -32 \\ \hline 26 \end{array}$$

$$\begin{array}{r} 86 \\ -62 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 64 \\ -42 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 252 \\ +324 \\ \hline 576 \end{array}$$

$$\begin{array}{r} 422 \\ +226 \\ \hline 648 \end{array}$$

$$\begin{array}{r} 762 \\ +225 \\ \hline 987 \end{array}$$

$$\begin{array}{r} 322 \\ +273 \\ \hline 595 \end{array}$$

$$\begin{array}{r} 252 \\ +426 \\ \hline 678 \end{array}$$

$$\begin{array}{r} 724 \\ +252 \\ \hline 976 \end{array}$$

$$\begin{array}{r} 422 \\ +252 \\ \hline 674 \end{array}$$

$$\begin{array}{r} 272 \\ +627 \\ \hline 899 \end{array}$$

$$\begin{array}{r} 764 \\ -522 \\ \hline 242 \end{array}$$

$$\begin{array}{r} 295 \\ -273 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 657 \\ -432 \\ \hline 225 \end{array}$$

$$\begin{array}{r} 769 \\ -227 \\ \hline 542 \end{array}$$

MATH

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Name _____

Date _____ *Clusters 10-15*

$$\begin{array}{r} 227 \\ +452 \\ \hline 679 \end{array}$$

$$\begin{array}{r} 236 \\ +322 \\ \hline 558 \end{array}$$

$$\begin{array}{r} 242 \\ +726 \\ \hline 968 \end{array}$$

$$\begin{array}{r} 679 \\ -227 \\ \hline 452 \end{array}$$

$$\begin{array}{r} 558 \\ -236 \\ \hline 322 \end{array}$$

$$\begin{array}{r} 968 \\ -242 \\ \hline 726 \end{array}$$

$$\begin{array}{r} 7,243 \\ +2,522 \\ \hline 9765 \end{array}$$

$$\begin{array}{r} 2,622 \\ +3,272 \\ \hline 5894 \end{array}$$

$$\begin{array}{r} 2,225 \\ +2,462 \\ \hline 4687 \end{array}$$

$$\begin{array}{r} 9,765 \\ -7,243 \\ \hline 2522 \end{array}$$

$$\begin{array}{r} 5,894 \\ -2,622 \\ \hline 3272 \end{array}$$

$$\begin{array}{r} 4,687 \\ -2,225 \\ \hline 2462 \end{array}$$

FACTS

CLUSTER 10

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

CLUSTER 11

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

CLUSTER 12

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

CLUSTER 13

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

CLUSTER 14

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

CLUSTER 15

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

Name _____

Date _____

CLUSTER 11

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

$$\begin{array}{r} 798 \\ -222 \\ \hline 576 \end{array}$$

CLUSTER 16

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

$$\begin{array}{r} 667 \\ -242 \\ \hline 425 \end{array}$$

CLUSTER 12

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

$$\begin{array}{r} 276 \\ +822 \\ \hline 1098 \end{array}$$

$$\begin{array}{r} 109 \\ -22 \\ \hline 87 \end{array}$$

$$\begin{array}{r} 312 \\ +258 \\ \hline 570 \end{array}$$

$$\begin{array}{r} 598 \\ -326 \\ \hline 272 \end{array}$$

$$\begin{array}{r} 238 \\ +422 \\ \hline 660 \end{array}$$

$$\begin{array}{r} 182 \\ +527 \\ \hline 709 \end{array}$$

$$\begin{array}{r} 1,078 \\ -252 \\ \hline 826 \end{array}$$

$$\begin{array}{r} 722 \\ +237 \\ \hline 959 \end{array}$$

$$\begin{array}{r} 109 \\ -87 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 185 \\ +622 \\ \hline 807 \end{array}$$

$$\begin{array}{r} 642 \\ +228 \\ \hline 870 \end{array}$$

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

$$\begin{array}{r} 522 \\ +256 \\ \hline 778 \end{array}$$

$$\begin{array}{r} 886 \\ -262 \\ \hline 624 \end{array}$$

$$\begin{array}{r} 842 \\ +224 \\ \hline 1066 \end{array}$$

CLUSTER 13

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

$$\begin{array}{r} 105 \\ -83 \\ \hline 22 \end{array}$$

CLUSTER 14

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

$$\begin{array}{r} 105 \\ -22 \\ \hline 83 \end{array}$$

CLUSTER 15

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

Name _____ Date _____

$$\begin{array}{r} 187 \\ +822 \\ \hline 1009 \end{array}$$

$$\begin{array}{r} 897 \\ -222 \\ \hline 675 \end{array}$$

$$\begin{array}{r} 522 \\ +276 \\ \hline 798 \end{array}$$

$$\begin{array}{r} 696 \\ -224 \\ \hline 472 \end{array}$$

$$\begin{array}{r} 825 \\ +262 \\ \hline 1087 \end{array}$$

$$\begin{array}{r} 382 \\ +226 \\ \hline 608 \end{array}$$

CLUSTER 12

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

$$\begin{array}{r} 262 \\ +426 \\ \hline 688 \end{array}$$

CLUSTER 13

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

$$\begin{array}{r} 242 \\ +825 \\ \hline 1067 \end{array}$$

$$\begin{array}{r} 712 \\ +258 \\ \hline 970 \end{array}$$

$$\begin{array}{r} 1,087 \\ -265 \\ \hline 822 \end{array}$$

$$\begin{array}{r} 418 \\ +252 \\ \hline 670 \end{array}$$

$$\begin{array}{r} 1,098 \\ -276 \\ \hline 822 \end{array}$$

$$\begin{array}{r} 267 \\ +422 \\ \hline 689 \end{array}$$

$$\begin{array}{r} 852 \\ +227 \\ \hline 1079 \end{array}$$

$$\begin{array}{r} 1,079 \\ -222 \\ \hline 857 \end{array}$$

$$\begin{array}{r} 272 \\ +627 \\ \hline 899 \end{array}$$

$$\begin{array}{r} 1,077 \\ -225 \\ \hline 852 \end{array}$$

$$\begin{array}{r} 124 \\ +482 \\ \hline 606 \end{array}$$

CLUSTER 14

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

$$\begin{array}{r} 1,079 \\ -857 \\ \hline 222 \end{array}$$

CLUSTER 15

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

$$\begin{array}{r} 1,077 \\ -852 \\ \hline 225 \end{array}$$

CLUSTER 16

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

MATH

11

Subtraction Clusters 10s-16s

Name _____ Date _____

$$\begin{array}{r} 657 \\ -432 \\ \hline 225 \end{array}$$

$$\begin{array}{r} 758 \\ -526 \\ \hline 232 \end{array}$$

$$\begin{array}{r} 107 \\ -25 \\ \hline 82 \end{array}$$

CLUSTER 10s

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

CLUSTER 11s

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

$$\begin{array}{r} 947 \\ -225 \\ \hline 722 \end{array}$$

$$\begin{array}{r} 968 \\ -722 \\ \hline 246 \end{array}$$

$$\begin{array}{r} 1,048 \\ -826 \\ \hline 222 \end{array}$$

CLUSTER 12s

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

$$\begin{array}{r} 856 \\ -622 \\ \hline 234 \end{array}$$

$$\begin{array}{r} 759 \\ -522 \\ \hline 237 \end{array}$$

$$\begin{array}{r} 758 \\ -532 \\ \hline 226 \end{array}$$

CLUSTER 13s

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

CLUSTER 14s

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

$$\begin{array}{r} 1,064 \\ -862 \\ \hline 202 \end{array}$$

$$\begin{array}{r} 679 \\ -427 \\ \hline 252 \end{array}$$

$$\begin{array}{r} 1,060 \\ -220 \\ \hline 840 \end{array}$$

CLUSTER 15s

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

CLUSTER 16s

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

Name _____

Date _____

CLUSTER 12

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

$$\begin{array}{r} 478 \\ -226 \\ \hline 252 \end{array}$$

CLUSTER 17

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

$$\begin{array}{r} 1,149 \\ -922 \\ \hline 227 \end{array}$$

CLUSTER 13

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

$$\begin{array}{r} 92 \\ +24 \\ \hline 116 \end{array}$$

$$\begin{array}{r} 8 \quad 11 \\ 91 \\ -29 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 82 \\ +29 \\ \hline 111 \end{array}$$

$$\begin{array}{r} 1,198 \\ -272 \\ \hline 926 \end{array}$$

$$\begin{array}{r} 262 \\ +628 \\ \hline 890 \end{array}$$

$$\begin{array}{r} 1 \\ 58 \\ +22 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 80 \\ -52 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 412 \\ +269 \\ \hline 681 \end{array}$$

$$\begin{array}{r} 107 \\ -25 \\ \hline 82 \end{array}$$

$$\begin{array}{r} 926 \\ +252 \\ \hline 1178 \end{array}$$

$$\begin{array}{r} 1 \\ 262 \\ +528 \\ \hline 790 \end{array}$$

$$\begin{array}{r} 7 \quad 11 \\ 781 \\ -522 \\ \hline 259 \end{array}$$

$$\begin{array}{r} 242 \\ +729 \\ \hline 971 \end{array}$$

$$\begin{array}{r} 90 \\ -68 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 185 \\ +422 \\ \hline 607 \end{array}$$

CLUSTER 14

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

$$\begin{array}{r} 990 \\ -68 \\ \hline 922 \end{array}$$

CLUSTER 15

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

$$\begin{array}{r} 991 \\ -729 \\ \hline 262 \end{array}$$

CLUSTER 16

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

MATH

13

CLUSTERS 10-17 (Addition only)

Name _____ Date _____

N	1	16
E		
W		62
	+	2
		<u>80</u>

$$\begin{array}{r} 42 \\ 25 \\ +22 \\ \hline 89 \end{array}$$

$$\begin{array}{r} 22 \\ 232 \\ +802 \\ \hline 1056 \end{array}$$

CLUSTER 10a

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

CLUSTER 11a

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

CLUSTER 12a

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

CLUSTER 13a

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

CLUSTER 14a

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

CLUSTER 15a

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

CLUSTER 16a

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

CLUSTER 17a

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

$$\begin{array}{r} 22 \\ 23 \\ +22 \\ \hline 67 \end{array}$$

$$\begin{array}{r} 22 \\ 75 \\ +22 \\ \hline 119 \end{array}$$

$$\begin{array}{r} 206 \\ 22 \\ +970 \\ \hline 1198 \end{array}$$

$$\begin{array}{r} 57 \\ 22 \\ +22 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 22 \\ 65 \\ +22 \\ \hline 109 \end{array}$$

$$\begin{array}{r} 172 \\ 626 \\ +20 \\ \hline 818 \end{array}$$

$$\begin{array}{r} 72 \\ 24 \\ +22 \\ \hline 118 \end{array}$$

$$\begin{array}{r} 252 \\ 924 \\ +22 \\ \hline 1198 \end{array}$$

$$\begin{array}{r} 32 \\ 226 \\ +22 \\ \hline 280 \end{array}$$

Name _____ Date _____

CLUSTER 13

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

$$\begin{array}{r} 689 \\ -362 \\ \hline 327 \end{array}$$

$$\begin{array}{r} 922 \\ +238 \\ \hline 1160 \end{array}$$

$$\begin{array}{r} 768 \\ -536 \\ \hline 232 \end{array}$$

CLUSTER 14

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

$$\begin{array}{r} 229 \\ +532 \\ \hline 761 \end{array}$$

$$\begin{array}{r} 1,180 \\ -958 \\ \hline 222 \end{array}$$

CLUSTER 18

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

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

$$\begin{array}{r} 127 \\ +582 \\ \hline 709 \end{array}$$

$$\begin{array}{r} 262 \\ +928 \\ \hline 1190 \end{array}$$

$$\begin{array}{r} 118 \\ -22 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 263 \\ +723 \\ \hline 986 \end{array}$$

$$\begin{array}{r} 109 \\ -87 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 522 \\ +276 \\ \hline 798 \end{array}$$

$$\begin{array}{r} 348 \\ +322 \\ \hline 670 \end{array}$$

$$\begin{array}{r} 970 \\ -732 \\ \hline 238 \end{array}$$

$$\begin{array}{r} 629 \\ +232 \\ \hline 861 \end{array}$$

$$\begin{array}{r} 808 \\ -222 \\ \hline 586 \end{array}$$

$$\begin{array}{r} 842 \\ +229 \\ \hline 1071 \end{array}$$

CLUSTER 15

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

$$\begin{array}{r} 796 \\ -223 \\ \hline 573 \end{array}$$

CLUSTER 16

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

$$\begin{array}{r} 817 \\ -423 \\ \hline 394 \end{array}$$

CLUSTER 17

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

Name _____

Date _____

CLUSTER 14

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

$$\begin{array}{r} 987 \\ -264 \\ \hline 723 \end{array}$$

CLUSTER 19

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

$$\begin{array}{r} 976 \\ -243 \\ \hline 733 \end{array}$$

CLUSTER 15

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

$$\begin{array}{r} 293 \\ +423 \\ \hline 716 \end{array}$$

$$\begin{array}{r} 1,180 \\ -938 \\ \hline 242 \end{array}$$

$$\begin{array}{r} 79 \\ +22 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 117 \\ -93 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 722 \\ +248 \\ \hline 970 \end{array}$$

$$\begin{array}{r} 362 \\ +428 \\ \hline 790 \end{array}$$

$$\begin{array}{r} 811 \\ -202 \\ \hline 609 \end{array}$$

$$\begin{array}{r} 236 \\ +732 \\ \hline 968 \end{array}$$

$$\begin{array}{r} 910 \\ -708 \\ \hline 202 \end{array}$$

$$\begin{array}{r} 242 \\ +736 \\ \hline 978 \end{array}$$

$$\begin{array}{r} 238 \\ +632 \\ \hline 870 \end{array}$$

$$\begin{array}{r} 990 \\ -762 \\ \hline 228 \end{array}$$

$$\begin{array}{r} 459 \\ +322 \\ \hline 781 \end{array}$$

$$\begin{array}{r} 908 \\ -222 \\ \hline 686 \end{array}$$

$$\begin{array}{r} 372 \\ +329 \\ \hline 701 \end{array}$$

CLUSTER 16

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

$$\begin{array}{r} 978 \\ -242 \\ \hline 736 \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 771 \\ -432 \\ \hline 339 \end{array}$$

CLUSTER 17

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

Name _____

Date _____

CLUSTER 15

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

$$\begin{array}{r} 109 \\ - 87 \\ \hline 22 \end{array}$$

CLUSTER 20

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

$$\begin{array}{r} 698 \\ - 375 \\ \hline 323 \end{array}$$

CLUSTER 16

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

$$\begin{array}{r} 238 \\ + 732 \\ \hline 970 \end{array}$$

$$\begin{array}{r} 90 \\ - 32 \\ \hline 58 \end{array}$$

$$\begin{array}{r} 543 \\ + 335 \\ \hline 878 \end{array}$$

$$\begin{array}{r} 1,181 \\ - 239 \\ \hline 942 \end{array}$$

$$\begin{array}{r} 739 \\ + 232 \\ \hline 971 \end{array}$$

$$\begin{array}{r} 529 \\ + 342 \\ \hline 871 \end{array}$$

$$\begin{array}{r} 897 \\ - 523 \\ \hline 374 \end{array}$$

$$\begin{array}{r} 233 \\ + 953 \\ \hline 1186 \end{array}$$

$$\begin{array}{r} 107 \\ - 24 \\ \hline 83 \end{array}$$

$$\begin{array}{r} 212 \\ + 389 \\ \hline 601 \end{array}$$

$$\begin{array}{r} 237 \\ + 852 \\ \hline 1089 \end{array}$$

$$\begin{array}{r} 1,176 \\ - 943 \\ \hline 233 \end{array}$$

$$\begin{array}{r} 248 \\ + 732 \\ \hline 980 \end{array}$$

$$\begin{array}{r} 80 \\ - 38 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 233 \\ + 745 \\ \hline 978 \end{array}$$

CLUSTER 17

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

$$\begin{array}{r} 918 \\ - 325 \\ \hline 593 \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 869 \\ - 332 \\ \hline 537 \end{array}$$

CLUSTER 19

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

CLUSTER 1a

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

CLUSTER 2a

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

CLUSTER 3a

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

CLUSTER 4a

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

CLUSTER 5a

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

CLUSTER 6a

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

CLUSTER 7a

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

CLUSTER 8a

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

CLUSTER 9a

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

CLUSTER 10a

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

MATH

17

Name _____

Date _____

Addition Review Clusters 1-20

$$\begin{array}{r} 125 \\ +543 \\ \hline 668 \end{array}$$

$$\begin{array}{r} 422 \\ +286 \\ \hline 708 \end{array}$$

$$\begin{array}{r} 102 \\ +988 \\ \hline 1090 \end{array}$$

$$\begin{array}{r} 229 \\ +742 \\ \hline 971 \end{array}$$

$$\begin{array}{r} 272 \\ +319 \\ \hline 591 \end{array}$$

$$\begin{array}{r} 339 \\ +512 \\ \hline 851 \end{array}$$

$$\begin{array}{r} 609 \\ +271 \\ \hline 880 \end{array}$$

$$\begin{array}{r} 215 \\ +862 \\ \hline 1077 \end{array}$$

$$\begin{array}{r} 701 \\ +249 \\ \hline 950 \end{array}$$

$$\begin{array}{r} 131 \\ 141 \\ 215 \\ +322 \\ \hline 809 \end{array}$$

$$\begin{array}{r} 111 \\ 231 \\ 522 \\ +123 \\ \hline 987 \end{array}$$

$$\begin{array}{r} 263 \\ 322 \\ 201 \\ +222 \\ \hline 1008 \end{array}$$

CLUSTER 11a

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

CLUSTER 12a

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

CLUSTER 13a

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

CLUSTER 14a

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

CLUSTER 15a

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

CLUSTER 16a

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

CLUSTER 17a

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

CLUSTER 18a

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

CLUSTER 19a

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

CLUSTER 20a

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

MATH

CLUSTERS 16-21

18

Name _____

Date _____

CLUSTER 16

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

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

CLUSTER 21

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

$$\begin{array}{r} 698 \\ -365 \\ \hline 333 \end{array}$$

CLUSTER 17

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

$$\begin{array}{r} 328 \\ +362 \\ \hline 690 \end{array}$$

$$\begin{array}{r} 90 \\ -32 \\ \hline 58 \end{array}$$

$$\begin{array}{r} 236 \\ +953 \\ \hline 1189 \end{array}$$

$$\begin{array}{r} 1,181 \\ - 239 \\ \hline 942 \end{array}$$

$$\begin{array}{r} 639 \\ +332 \\ \hline 971 \end{array}$$

$$\begin{array}{r} 483 \\ +326 \\ \hline 809 \end{array}$$

$$\begin{array}{r} 879 \\ -533 \\ \hline 346 \end{array}$$

$$\begin{array}{r} 233 \\ +953 \\ \hline 1186 \end{array}$$

$$\begin{array}{r} 107 \\ - 24 \\ \hline 83 \end{array}$$

$$\begin{array}{r} 312 \\ +398 \\ \hline 710 \end{array}$$

$$\begin{array}{r} 263 \\ +834 \\ \hline 1097 \end{array}$$

$$\begin{array}{r} 1,167 \\ - 934 \\ \hline 233 \end{array}$$

$$\begin{array}{r} 349 \\ +632 \\ \hline 981 \end{array}$$

$$\begin{array}{r} 80 \\ -38 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 433 \\ +365 \\ \hline 798 \end{array}$$

CLUSTER 19

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

$$\begin{array}{r} 918 \\ -325 \\ \hline 593 \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 689 \\ -332 \\ \hline 357 \end{array}$$

CLUSTER 20

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

Name _____

Date _____

CLUSTER 11

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

$$\begin{array}{r} 845 \\ -623 \\ \hline 222 \end{array}$$

CLUSTER 13

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

$$\begin{array}{r} 90 \\ -68 \\ \hline 22 \end{array}$$

CLUSTER 14

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

$$\begin{array}{r} 22 \\ +82 \\ \hline 104 \end{array}$$

$$\begin{array}{r} 607 \\ -225 \\ \hline 382 \end{array}$$

$$\begin{array}{r} 232 \\ +526 \\ \hline 758 \end{array}$$

$$\begin{array}{r} 81 \\ -59 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 58 \\ +22 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 123 \\ +592 \\ \hline 715 \end{array}$$

$$\begin{array}{r} 818 \\ -292 \\ \hline 526 \end{array}$$

$$\begin{array}{r} 618 \\ +232 \\ \hline 850 \end{array}$$

$$\begin{array}{r} 587 \\ -222 \\ \hline 365 \end{array}$$

$$\begin{array}{r} 122 \\ +583 \\ \hline 705 \end{array}$$

$$\begin{array}{r} 352 \\ +226 \\ \hline 578 \end{array}$$

$$\begin{array}{r} 1,011 \\ -802 \\ \hline 209 \end{array}$$

$$\begin{array}{r} 219 \\ +932 \\ \hline 1151 \end{array}$$

$$\begin{array}{r} 890 \\ -628 \\ \hline 262 \end{array}$$

$$\begin{array}{r} 212 \\ +329 \\ \hline 541 \end{array}$$

CLUSTER 16

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

$$\begin{array}{r} 550 \\ -328 \\ \hline 222 \end{array}$$

CLUSTER 10

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

$$\begin{array}{r} 511 \\ -222 \\ \hline 289 \end{array}$$

CLUSTER 17

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

Name _____

Date _____

CLUSTER 17

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

$$\begin{array}{r} 116 \\ -93 \\ \hline 23 \end{array}$$

CLUSTER 22

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

$$\begin{array}{r} 790 \\ -437 \\ \hline 353 \end{array}$$

CLUSTER 19

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

$$\begin{array}{r} 23 \\ +47 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 107 \\ -74 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 33 \\ +74 \\ \hline 107 \end{array}$$

$$\begin{array}{r} 120 \\ -93 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 25 \\ +93 \\ \hline 118 \end{array}$$

$$\begin{array}{r} 433 \\ +363 \\ \hline 796 \end{array}$$

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

$$\begin{array}{r} 349 \\ +732 \\ \hline 1081 \end{array}$$

$$\begin{array}{r} 698 \\ -335 \\ \hline 363 \end{array}$$

$$\begin{array}{r} 352 \\ +439 \\ \hline 791 \end{array}$$

$$\begin{array}{r} 736 \\ +353 \\ \hline 1089 \end{array}$$

$$\begin{array}{r} 119 \\ -26 \\ \hline 93 \end{array}$$

$$\begin{array}{r} 327 \\ +533 \\ \hline 860 \end{array}$$

$$\begin{array}{r} 981 \\ -632 \\ \hline 349 \end{array}$$

$$\begin{array}{r} 2,943 \\ +6,235 \\ \hline 9,178 \end{array}$$

CLUSTER 21

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

$$\begin{array}{r} 879 \\ -333 \\ \hline 546 \end{array}$$

CLUSTER 18

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

$$\begin{array}{r} 110 \\ -37 \\ \hline 73 \end{array}$$

CLUSTER 20

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

Name _____ Date _____

$$\begin{array}{r} 36 \\ +33 \\ \hline 69 \end{array}$$

$$\begin{array}{r} 87 \\ -54 \\ \hline 33 \end{array}$$

CLUSTER 23			
3	8		
+8	+3		
11	11		
11	11		
-3	-8		
8	3		

$$\begin{array}{r} 978 \\ -343 \\ \hline 635 \end{array}$$

$$\begin{array}{r} 353 \\ +336 \\ \hline 689 \end{array}$$

$$\begin{array}{r} 448 \\ +333 \\ \hline 781 \end{array}$$

$$\begin{array}{r} 990 \\ -637 \\ \hline 353 \end{array}$$

$$\begin{array}{r} 335 \\ +463 \\ \hline 798 \end{array}$$

$$\begin{array}{r} 117 \\ -33 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 428 \\ +353 \\ \hline 781 \end{array}$$

$$\begin{array}{r} 323 \\ +847 \\ \hline 1170 \end{array}$$

$$\begin{array}{r} 681 \\ -338 \\ \hline 343 \end{array}$$

$$\begin{array}{r} 827 \\ +343 \\ \hline 1170 \end{array}$$

$$\begin{array}{r} 720 \\ -387 \\ \hline 333 \end{array}$$

$$\begin{array}{r} 263 \\ +738 \\ \hline 1001 \end{array}$$

$$\begin{array}{r} 233 \\ +685 \\ \hline 918 \end{array}$$

$$\begin{array}{r} 920 \\ -533 \\ \hline 387 \end{array}$$

$$\begin{array}{r} 636 \\ +373 \\ \hline 1009 \end{array}$$

$$\begin{array}{r} 989 \\ -633 \\ \hline 356 \end{array}$$

$$\begin{array}{r} 436 \\ +353 \\ \hline 789 \end{array}$$

CLUSTER 19	CLUSTER 20	CLUSTER 18	CLUSTER 21	CLUSTER 22
$\begin{array}{r} 3 \quad 4 \\ +4 \quad +3 \\ \hline 7 \quad 7 \\ 7 \quad 7 \\ -3 \quad -4 \\ \hline 4 \quad 3 \end{array}$	$\begin{array}{r} 3 \quad 5 \\ +5 \quad +3 \\ \hline 8 \quad 8 \\ 8 \quad 8 \\ -3 \quad -5 \\ \hline 5 \quad 3 \end{array}$	$\begin{array}{r} 3 \quad 6 \\ +3 \quad -3 \\ \hline 6 \quad 3 \end{array}$	$\begin{array}{r} 3 \quad 6 \\ +6 \quad +3 \\ \hline 9 \quad 9 \\ 9 \quad 9 \\ -3 \quad -6 \\ \hline 6 \quad 3 \end{array}$	$\begin{array}{r} 3 \quad 7 \\ +7 \quad +3 \\ \hline 10 \quad 10 \\ 10 \quad 10 \\ -3 \quad -7 \\ \hline 7 \quad 3 \end{array}$

Name _____

Date _____

CLUSTER 19

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

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

CLUSTER 24

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

$$\begin{array}{r} 812 \\ -489 \\ \hline 323 \end{array}$$

CLUSTER 20

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

$$\begin{array}{r} 365 \\ +433 \\ \hline 798 \end{array}$$

$$\begin{array}{r} 91 \\ -38 \\ \hline 53 \end{array}$$

$$\begin{array}{r} 629 \\ +393 \\ \hline 1022 \end{array}$$

$$\begin{array}{r} 1,280 \\ -333 \\ \hline 947 \end{array}$$

$$\begin{array}{r} 283 \\ +934 \\ \hline 1217 \end{array}$$

$$\begin{array}{r} 234 \\ +583 \\ \hline 817 \end{array}$$

$$\begin{array}{r} 127 \\ -33 \\ \hline 94 \end{array}$$

$$\begin{array}{r} 273 \\ +637 \\ \hline 910 \end{array}$$

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

$$\begin{array}{r} 543 \\ +338 \\ \hline 881 \end{array}$$

$$\begin{array}{r} 223 \\ +679 \\ \hline 902 \end{array}$$

$$\begin{array}{r} 1,182 \\ -849 \\ \hline 333 \end{array}$$

$$\begin{array}{r} 327 \\ +543 \\ \hline 870 \end{array}$$

$$\begin{array}{r} 1,291 \\ -933 \\ \hline 358 \end{array}$$

$$\begin{array}{r} 283 \\ +939 \\ \hline 1222 \end{array}$$

CLUSTER 21

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

$$\begin{array}{r} 1,098 \\ -365 \\ \hline 733 \end{array}$$

CLUSTER 22

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

$$\begin{array}{r} 819 \\ -336 \\ \hline 483 \end{array}$$

CLUSTER 23

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

Name _____

Date _____

$\begin{array}{r} 324 \\ +373 \\ \hline 697 \end{array}$	$\begin{array}{r} 143 \\ +924 \\ \hline 1067 \end{array}$	$\begin{array}{r} 697 \\ -324 \\ \hline 373 \end{array}$	$\begin{array}{r} 100 \\ -29 \\ \hline 71 \end{array}$
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$\begin{array}{r} 493 \\ +214 \\ \hline 707 \end{array}$	$\begin{array}{r} 243 \\ +433 \\ \hline 676 \end{array}$	$\begin{array}{r} 707 \\ -293 \\ \hline 414 \end{array}$	$\begin{array}{r} 670 \\ -321 \\ \hline 349 \end{array}$
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$\begin{array}{r} 127 \\ +942 \\ \hline 1069 \end{array}$	$\begin{array}{r} 132 \\ +947 \\ \hline 1079 \end{array}$	$\begin{array}{r} 796 \\ -474 \\ \hline 322 \end{array}$	$\begin{array}{r} 979 \\ -247 \\ \hline 732 \end{array}$
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$\begin{array}{r} 24 \\ 73 \\ +912 \\ \hline 1009 \end{array}$	$\begin{array}{r} 909 \\ +91 \\ \hline 1000 \end{array}$	$\begin{array}{r} 809 \\ -312 \\ \hline 497 \end{array}$	$\begin{array}{r} 710 \\ -391 \\ \hline 319 \end{array}$
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FACTS

CLUSTER 9

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

CLUSTER 12

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

CLUSTER 15

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

CLUSTER 18

$\begin{array}{r} 3 \\ +3 \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ -3 \\ \hline 3 \end{array}$
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CLUSTER 19

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

Name _____ Date _____

CLUSTER 20

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

$$\begin{array}{r} 888 \\ -354 \\ \hline 534 \end{array}$$

CLUSTER 25

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

$$\begin{array}{r} 990 \\ -637 \\ \hline 353 \end{array}$$

CLUSTER 21

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

$$\begin{array}{r} 734 \\ +364 \\ \hline 1098 \end{array}$$

$$\begin{array}{r} 901 \\ -538 \\ \hline 363 \end{array}$$

$$\begin{array}{r} 55 \\ 33 \\ +33 \\ \hline 121 \end{array}$$

$$\begin{array}{r} 991 \\ -343 \\ \hline 648 \end{array}$$

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

$$\begin{array}{r} 836 \\ +353 \\ \hline 1189 \end{array}$$

$$\begin{array}{r} 1,031 \\ -698 \\ \hline 333 \end{array}$$

$$\begin{array}{r} 324 \\ 54 \\ +433 \\ \hline 811 \end{array}$$

$$\begin{array}{r} 1,320 \\ -383 \\ \hline 937 \end{array}$$

$$\begin{array}{r} 728 \\ +353 \\ \hline 1081 \end{array}$$

$$\begin{array}{r} 343 \\ +738 \\ \hline 1081 \end{array}$$

$$\begin{array}{r} 111 \\ -73 \\ \hline 38 \end{array}$$

$$\begin{array}{r} 892 \\ -459 \\ \hline 433 \end{array}$$

$$\begin{array}{r} 3,223 \\ +8,697 \\ \hline 11920 \end{array}$$

CLUSTER 22

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

$$\begin{array}{r} 112 \\ -33 \\ \hline 79 \end{array}$$

CLUSTER 23

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

$$\begin{array}{r} 1,191 \\ -843 \\ \hline 348 \end{array}$$

CLUSTER 24

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

Name _____

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FACTS

CLUSTER 10

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

CLUSTER 13

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

CLUSTER 14

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

CLUSTER 16

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

CLUSTER 17

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

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

$$\begin{array}{r} 592 \\ +222 \\ \hline 814 \end{array}$$

$$\begin{array}{r} 487 \\ -262 \\ \hline 225 \end{array}$$

$$\begin{array}{r} 921 \\ -292 \\ \hline 629 \end{array}$$

$$\begin{array}{r} 42 \\ +28 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 118 \\ +592 \\ \hline 710 \end{array}$$

$$\begin{array}{r} 791 \\ -529 \\ \hline 262 \end{array}$$

$$\begin{array}{r} 810 \\ -582 \\ \hline 228 \end{array}$$

$$\begin{array}{r} 172 \\ +529 \\ \hline 701 \end{array}$$

$$\begin{array}{r} 625 \\ +262 \\ \hline 887 \end{array}$$

$$\begin{array}{r} 920 \\ -622 \\ \hline 298 \end{array}$$

$$\begin{array}{r} 488 \\ -262 \\ \hline 226 \end{array}$$

$$\begin{array}{r} 912 \\ +268 \\ \hline 1180 \end{array}$$

$$\begin{array}{r} 219 \\ +822 \\ \hline 1041 \end{array}$$

$$\begin{array}{r} 507 \\ -282 \\ \hline 225 \end{array}$$

$$\begin{array}{r} 781 \\ -252 \\ \hline 529 \end{array}$$

Name _____ Date _____

CLUSTER 21

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

$$\begin{array}{r} 354 \\ +644 \\ \hline 998 \end{array}$$

$$\begin{array}{r} 837 \\ +353 \\ \hline 1190 \end{array}$$

$$\begin{array}{r} 523 \\ +397 \\ \hline 920 \end{array}$$

$$\begin{array}{r} 999 \\ -635 \\ \hline 364 \end{array}$$

$$\begin{array}{r} 900 \\ -447 \\ \hline 453 \end{array}$$

$$\begin{array}{r} 931 \\ -498 \\ \hline 433 \end{array}$$

$$\begin{array}{r} 1,020 \\ -533 \\ \hline 487 \end{array}$$

CLUSTER 26

$$\begin{array}{r} 4 \quad 5 \\ +5 \quad +4 \\ \hline 9 \quad 9 \\ 9 \quad 9 \\ -4 \quad -5 \\ \hline 5 \quad 4 \end{array}$$

$$\begin{array}{r} 525 \\ 384 \\ +303 \\ \hline 1212 \end{array}$$

$$\begin{array}{r} 407 \\ 430 \\ +353 \\ \hline 1190 \end{array}$$

$$\begin{array}{r} 1,300 \\ -357 \\ \hline 943 \end{array}$$

$$\begin{array}{r} 990 \\ -343 \\ \hline 647 \end{array}$$

$$\begin{array}{r} 1,202 \\ -369 \\ \hline 833 \end{array}$$

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

CLUSTER 22

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

$$\begin{array}{r} 423 \\ +568 \\ \hline 991 \end{array}$$

$$\begin{array}{r} 323 \\ 479 \\ \hline 802 \end{array}$$

$$\begin{array}{r} 395 \\ +434 \\ \hline 829 \end{array}$$

CLUSTER 23

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

$$\begin{array}{r} 991 \\ -448 \\ \hline 543 \end{array}$$

CLUSTER 25

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

$$\begin{array}{r} 1,232 \\ -393 \\ \hline 839 \end{array}$$

CLUSTER 24

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

Name _____

Date _____

CLUSTER 22

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

$$\begin{array}{r} 910 \\ -474 \\ \hline 436 \end{array}$$

CLUSTER 27

4	6
<u>+6</u>	<u>+4</u>
10	10
10	10
<u>-4</u>	<u>-6</u>
6	4

$$\begin{array}{r} 112 \\ -69 \\ \hline 43 \end{array}$$

CLUSTER 23

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

$$\begin{array}{r} 338 \\ +563 \\ \hline 901 \end{array}$$

$$\begin{array}{r} 1,002 \\ -543 \\ \hline 459 \end{array}$$

$$34$$

$$\begin{array}{r} 1,130 \\ -634 \\ \hline 496 \end{array}$$

$$\begin{array}{r} 454 \\ +446 \\ \hline 900 \end{array}$$

$$54$$

$$\begin{array}{r} 453 \\ +449 \\ \hline 902 \end{array}$$

$$\begin{array}{r} 990 \\ -546 \\ \hline 444 \end{array}$$

$$\begin{array}{r} +33 \\ \hline 121 \end{array}$$

$$\begin{array}{r} 102 \\ -49 \\ \hline 53 \end{array}$$

$$\begin{array}{r} 869 \\ +333 \\ \hline 1202 \end{array}$$

$$303$$

$$\begin{array}{r} 835 \\ +374 \\ \hline 1209 \end{array}$$

$$\begin{array}{r} 1,320 \\ -933 \\ \hline 387 \end{array}$$

$$\begin{array}{r} 460 \\ +338 \\ \hline 1101 \end{array}$$

$$\begin{array}{r} 1,121 \\ -783 \\ \hline 338 \end{array}$$

$$\begin{array}{r} 343 \\ +847 \\ \hline 1190 \end{array}$$

CLUSTER 24

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

$$\begin{array}{r} 131 \\ -98 \\ \hline 33 \end{array}$$

CLUSTER 25

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

$$\begin{array}{r} 1,120 \\ -633 \\ \hline 487 \end{array}$$

CLUSTER 26

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

Name _____
Date _____

28

$$\begin{array}{r} 734 \\ +447 \\ \hline 1181 \end{array}$$

$$\begin{array}{r} 384 \\ +635 \\ \hline 1019 \end{array}$$

$$\begin{array}{r} 990 \\ -546 \\ \hline 444 \end{array}$$

CLUSTER 28

$$\begin{array}{r} 4 \quad 7 \\ +7 \quad +4 \\ \hline 11 \quad 11 \\ 11 \quad 11 \\ -4 \quad -7 \\ \hline 7 \quad 4 \end{array}$$

CLUSTER 23

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

CLUSTER 24

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

CLUSTER 25

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

CLUSTER 26

$$\begin{array}{r} 4 \quad 5 \\ +5 \quad +4 \\ \hline 9 \quad 9 \\ 9 \quad 9 \\ -4 \quad -5 \\ \hline 5 \quad 4 \end{array}$$

CLUSTER 27

$$\begin{array}{r} 4 \quad 6 \\ +6 \quad +4 \\ \hline 10 \quad 10 \\ 10 \quad 10 \\ -4 \quad -6 \\ \hline 6 \quad 4 \end{array}$$

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$$\begin{array}{r} 383 \\ +438 \\ \hline 821 \end{array}$$

$$\begin{array}{r} 1,021 \\ -443 \\ \hline 578 \end{array}$$

$$\begin{array}{r} 644 \\ +454 \\ \hline 1098 \end{array}$$

$$\begin{array}{r} 1,301 \\ -347 \\ \hline 954 \end{array}$$

$$\begin{array}{r} 287 \\ +834 \\ \hline 1121 \end{array}$$

$$\begin{array}{r} 922 \\ -489 \\ \hline 433 \end{array}$$

$$\begin{array}{r} 426 \\ +494 \\ \hline 920 \end{array}$$

$$\begin{array}{r} 843 \\ +349 \\ \hline 1192 \end{array}$$

$$\begin{array}{r} 1,321 \\ -974 \\ \hline 347 \end{array}$$

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CLUSTERS 24-29

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CLUSTER 24

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

$$\begin{array}{r} 1,290 \\ - 846 \\ \hline 444 \end{array}$$

$$\begin{array}{r} 1,029 \\ - 584 \\ \hline 445 \end{array}$$

CLUSTER 26

$$\begin{array}{r} 4 \quad 5 \\ +5 \quad +4 \\ \hline 9 \quad 9 \\ 9 \quad 9 \\ -4 \quad -5 \\ \hline 5 \quad 4 \end{array}$$

$$\begin{array}{r} 484 \\ +445 \\ \hline 929 \end{array}$$

$$\begin{array}{r} 931 \\ -444 \\ \hline 487 \end{array}$$

CLUSTER 29

$$\begin{array}{r} 4 \quad 8 \\ +8 \quad +4 \\ \hline 12 \quad 12 \\ 12 \quad 12 \\ -4 \quad -8 \\ \hline 8 \quad 4 \end{array}$$

$$\begin{array}{r} 1,311 \\ - 347 \\ \hline 964 \end{array}$$

$$\begin{array}{r} 624 \\ +496 \\ \hline 1120 \end{array}$$

34

$$\begin{array}{r} 453 \\ +449 \\ \hline 902 \end{array}$$

$$\begin{array}{r} 1,212 \\ - 749 \\ \hline 463 \end{array}$$

$$\begin{array}{r} 404 \\ +474 \\ \hline 912 \end{array}$$

$$\begin{array}{r} 1,019 \\ - 544 \\ \hline 475 \end{array}$$

$$\begin{array}{r} 864 \\ +345 \\ \hline 1209 \end{array}$$

$$\begin{array}{r} 364 \\ +648 \\ \hline 1012 \end{array}$$

$$\begin{array}{r} 1,001 \\ 457 \\ \hline 544 \end{array}$$

$$\begin{array}{r} 339 \\ +873 \\ \hline 1212 \end{array}$$

$$\begin{array}{r} 112 \\ -63 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 638 \\ +444 \\ \hline 1082 \end{array}$$

CLUSTER 27

$$\begin{array}{r} 4 \quad 6 \\ +6 \quad +4 \\ \hline 10 \quad 10 \\ 10 \quad 10 \\ -4 \quad -6 \\ \hline 6 \quad 4 \end{array}$$

$$\begin{array}{r} 129 \\ - 34 \\ \hline 95 \end{array}$$

CLUSTER 25

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

$$\begin{array}{r} 928 \\ -494 \\ \hline 434 \end{array}$$

CLUSTER 28

$$\begin{array}{r} 4 \quad 7 \\ +7 \quad +4 \\ \hline 11 \quad 11 \\ 11 \quad 11 \\ -4 \quad -7 \\ \hline 7 \quad 4 \end{array}$$

Name _____ Date _____

CLUSTER 26

$$\begin{array}{r} 4 \quad 5 \\ +5 \quad +4 \\ \hline 9 \quad 9 \\ 9 \quad 9 \\ -4 \quad -5 \\ \hline 5 \quad 4 \end{array}$$

$$\begin{array}{r} 142 \\ - 98 \\ \hline 44 \end{array}$$

CLUSTER 30

$$\begin{array}{r} 4 \quad 9 \\ +9 \quad +4 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -4 \quad -9 \\ \hline 9 \quad 4 \end{array}$$

$$\begin{array}{r} 1,319 \\ - 874 \\ \hline 445 \end{array}$$

CLUSTER 27

$$\begin{array}{r} 4 \quad 6 \\ +6 \quad +4 \\ \hline 10 \quad 10 \\ 10 \quad 10 \\ -4 \quad -6 \\ \hline 6 \quad 4 \end{array}$$

$$\begin{array}{r} 874 \\ +445 \\ \hline 1319 \end{array}$$

$$\begin{array}{r} 909 \\ -465 \\ \hline 444 \end{array}$$

$$\begin{array}{r} 44 \\ +44 \\ \hline 88 \end{array}$$

$$\begin{array}{r} 913 \\ -464 \\ \hline 449 \end{array}$$

$$\begin{array}{r} 336 \\ +984 \\ \hline 1320 \end{array}$$

$$\begin{array}{r} 434 \\ +479 \\ \hline 913 \end{array}$$

$$\begin{array}{r} 1,119 \\ - 474 \\ \hline 645 \end{array}$$

$$\begin{array}{r} 44 \\ +44 \\ \hline 88 \end{array}$$

$$\begin{array}{r} 1,020 \\ - 544 \\ \hline 476 \end{array}$$

$$\begin{array}{r} 337 \\ +464 \\ \hline 801 \end{array}$$

$$\begin{array}{r} 338 \\ +864 \\ \hline 1202 \end{array}$$

$$\begin{array}{r} 133 \\ - 44 \\ \hline 89 \end{array}$$

$$\begin{array}{r} 334 \\ 405 \\ +484 \\ \hline 1223 \end{array}$$

$$\begin{array}{r} 133 \\ -49 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 6,438 \\ +4,474 \\ \hline 10,912 \end{array}$$

CLUSTER 28

$$\begin{array}{r} 4 \quad 7 \\ +7 \quad +4 \\ \hline 11 \quad 11 \\ 11 \quad 11 \\ -4 \quad -7 \\ \hline 7 \quad 4 \end{array}$$

$$\begin{array}{r} 101 \\ - 44 \\ \hline 57 \end{array}$$

CLUSTER 25

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

$$\begin{array}{r} 1,390 \\ - 444 \\ \hline 946 \end{array}$$

CLUSTER 29

$$\begin{array}{r} 4 \quad 8 \\ +8 \quad +4 \\ \hline 12 \quad 12 \\ 12 \quad 12 \\ -4 \quad -8 \\ \hline 8 \quad 4 \end{array}$$

Name _____ Date _____

CLUSTER 10	
$\begin{array}{r} 2 \\ +2 \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \\ -2 \\ \hline 2 \end{array}$

$$\begin{array}{r} 710 \\ -354 \\ \hline 356 \end{array}$$

CLUSTER 31	
$\begin{array}{r} 5 \\ +5 \\ \hline 10 \end{array}$	$\begin{array}{r} 10 \\ -5 \\ \hline 5 \end{array}$

$$\begin{array}{r} 1,033 \\ -444 \\ \hline 589 \end{array}$$

CLUSTER 18	
$\begin{array}{r} 3 \\ +3 \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ -3 \\ \hline 3 \end{array}$

$$\begin{array}{r} 526 \\ +534 \\ \hline 1060 \end{array}$$

$$\begin{array}{r} 539 \\ -295 \\ \hline 244 \end{array}$$

$$\begin{array}{r} 133 \\ 203 \\ +694 \\ \hline 1030 \end{array}$$

$$\begin{array}{r} 530 \\ -245 \\ \hline 285 \end{array}$$

$$\begin{array}{r} 844 \\ +457 \\ \hline 1301 \end{array}$$

$$\begin{array}{r} 372 \\ +942 \\ \hline 1314 \end{array}$$

$$\begin{array}{r} 721 \\ -374 \\ \hline 347 \end{array}$$

$$\begin{array}{r} 325 \\ 524 \end{array}$$

$$\begin{array}{r} 719 \\ -374 \\ \hline 345 \end{array}$$

$$\begin{array}{r} 368 \\ +844 \\ \hline 1212 \end{array}$$

$$\begin{array}{r} 854 \\ +445 \\ \hline 1299 \end{array}$$

$$\begin{array}{r} 512 \\ -268 \\ \hline 244 \end{array}$$

$$\begin{array}{r} +480 \\ 1329 \end{array}$$

$$\begin{array}{r} 1,300 \\ -856 \\ \hline 444 \end{array}$$

$$\begin{array}{r} 334 \\ +587 \\ \hline 921 \end{array}$$

CLUSTER 26	
$\begin{array}{r} 4 \\ +5 \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \\ +4 \\ \hline 9 \end{array}$
$\begin{array}{r} 9 \\ -4 \\ \hline 5 \end{array}$	$\begin{array}{r} 9 \\ -5 \\ \hline 4 \end{array}$

CLUSTER 27	
$\begin{array}{r} 4 \\ +6 \\ \hline 10 \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline 10 \end{array}$
$\begin{array}{r} 10 \\ -4 \\ \hline 6 \end{array}$	$\begin{array}{r} 10 \\ -6 \\ \hline 4 \end{array}$

CLUSTER 28	
$\begin{array}{r} 4 \\ +7 \\ \hline 11 \end{array}$	$\begin{array}{r} 7 \\ +4 \\ \hline 11 \end{array}$
$\begin{array}{r} 11 \\ -4 \\ \hline 7 \end{array}$	$\begin{array}{r} 11 \\ -7 \\ \hline 4 \end{array}$

CLUSTER 29	
$\begin{array}{r} 4 \\ +8 \\ \hline 12 \end{array}$	$\begin{array}{r} 8 \\ +4 \\ \hline 12 \end{array}$
$\begin{array}{r} 12 \\ -4 \\ \hline 8 \end{array}$	$\begin{array}{r} 12 \\ -8 \\ \hline 4 \end{array}$

CLUSTER 30	
$\begin{array}{r} 4 \\ +9 \\ \hline 13 \end{array}$	$\begin{array}{r} 9 \\ +4 \\ \hline 13 \end{array}$
$\begin{array}{r} 13 \\ -4 \\ \hline 9 \end{array}$	$\begin{array}{r} 13 \\ -9 \\ \hline 4 \end{array}$

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Clusters 27-32

Name _____ Date _____

CLUSTER 27

$$\begin{array}{r} 4 \quad 6 \\ +6 \quad +4 \\ \hline 10 \quad 10 \\ 10 \quad 10 \\ -4 \quad -6 \\ \hline 6 \quad 4 \end{array}$$

$$\begin{array}{r} 121 \\ -65 \\ \hline 56 \end{array}$$

CLUSTER 32

$$\begin{array}{r} 5 \quad 6 \\ +6 \quad +5 \\ \hline 11 \quad 11 \\ 11 \quad 11 \\ -5 \quad -6 \\ \hline 6 \quad 5 \end{array}$$

$$\begin{array}{r} 132 \\ -84 \\ \hline 48 \end{array}$$

CLUSTER 28

$$\begin{array}{r} 4 \quad 7 \\ +7 \quad +4 \\ \hline 11 \quad 11 \\ 11 \quad 11 \\ -4 \quad -7 \\ \hline 7 \quad 4 \end{array}$$

$$\begin{array}{r} 649 \\ +464 \\ \hline 1113 \end{array}$$

$$\begin{array}{r} 1,313 \\ -864 \\ \hline 449 \end{array}$$

$$\begin{array}{r} 674 \\ +446 \\ \hline 1120 \end{array}$$

$$\begin{array}{r} 1,213 \\ -749 \\ \hline 464 \end{array}$$

$$\begin{array}{r} 834 \\ +476 \\ \hline 1310 \end{array}$$

$$\begin{array}{r} 356 \\ +945 \\ \hline 1301 \end{array}$$

$$\begin{array}{r} 1,121 \\ -567 \\ \hline 554 \end{array}$$

$$\begin{array}{r} 435 \\ +585 \\ \hline 1020 \end{array}$$

$$\begin{array}{r} 1,120 \\ -545 \\ \hline 575 \end{array}$$

$$\begin{array}{r} 4,766 \\ 6,445 \\ \hline 11211 \end{array}$$

$$\begin{array}{r} 365 \\ +845 \\ \hline 1210 \end{array}$$

$$\begin{array}{r} 1,131 \\ -445 \\ \hline 686 \end{array}$$

$$\begin{array}{r} 356 \\ +945 \\ \hline 1301 \end{array}$$

$$\begin{array}{r} 1,142 \\ -648 \\ \hline 494 \end{array}$$

$$\begin{array}{r} 476 \\ +645 \\ \hline 1121 \end{array}$$

CLUSTER 29

$$\begin{array}{r} 4 \quad 8 \\ +8 \quad +4 \\ \hline 12 \quad 12 \\ 12 \quad 12 \\ -4 \quad -8 \\ \hline 8 \quad 4 \end{array}$$

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

CLUSTER 31

$$\begin{array}{r} 5 \quad 10 \\ +5 \quad -5 \\ \hline 10 \quad 5 \end{array}$$

$$\begin{array}{r} 110 \\ -46 \\ \hline 64 \end{array}$$

CLUSTER 30

$$\begin{array}{r} 4 \quad 9 \\ +9 \quad +4 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -4 \quad -9 \\ \hline 9 \quad 4 \end{array}$$

MATH

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Addition Review--Clusters 19a-32a

Name _____ Date _____

$$\begin{array}{r} 234 \\ +896 \\ \hline \end{array}$$

1130

$$\begin{array}{r} 429 \\ +563 \\ \hline \end{array}$$

992

$$\begin{array}{r} 436 \\ +755 \\ \hline \end{array}$$

1191

$$\begin{array}{r} 483 \\ +349 \\ \hline \end{array}$$

832

$$\begin{array}{r} 4,365 \\ +6,345 \\ \hline \end{array}$$

10710

$$\begin{array}{r} 846 \\ +473 \\ \hline \end{array}$$

1319

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

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

1222

$$\begin{array}{r} 425 \\ +945 \\ \hline \end{array}$$

1370

$$\begin{array}{r} 354 \\ +838 \\ \hline \end{array}$$

1192

$$\begin{array}{r} 225 \\ +976 \\ \hline \end{array}$$

1201

$$\begin{array}{r} 457 \\ +643 \\ \hline \end{array}$$

1100

$$\begin{array}{r} 264 \\ 544 \\ \hline \end{array}$$

$$\begin{array}{r} +403 \\ \hline \end{array}$$

1211

$$\begin{array}{r} 663 \\ +345 \\ \hline \end{array}$$

1008

CLUSTER 19a	
$\begin{array}{r} 3 \\ +4 \\ \hline 7 \end{array}$	$\begin{array}{r} 4 \\ +3 \\ \hline 7 \end{array}$

CLUSTER 20a	
$\begin{array}{r} 3 \\ +5 \\ \hline 8 \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline 8 \end{array}$

CLUSTER 22a	
$\begin{array}{r} 3 \\ +7 \\ \hline 10 \end{array}$	$\begin{array}{r} 7 \\ +3 \\ \hline 10 \end{array}$

CLUSTER 23a	
$\begin{array}{r} 3 \\ +8 \\ \hline 11 \end{array}$	$\begin{array}{r} 8 \\ +3 \\ \hline 11 \end{array}$

CLUSTER 21a	
$\begin{array}{r} 3 \\ +6 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ +3 \\ \hline 9 \end{array}$

$$\begin{array}{r} 453 \\ +457 \\ \hline \end{array}$$

910

CLUSTER 24a	
$\begin{array}{r} 3 \\ +9 \\ \hline 12 \end{array}$	$\begin{array}{r} 9 \\ +3 \\ \hline 12 \end{array}$

CLUSTER 25a	
$\begin{array}{r} 4 \\ +4 \\ \hline 8 \end{array}$	

CLUSTER 26a	
$\begin{array}{r} 4 \\ +5 \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \\ +4 \\ \hline 9 \end{array}$

CLUSTER 27a	
$\begin{array}{r} 4 \\ +6 \\ \hline 10 \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline 10 \end{array}$

CLUSTER 28a	
$\begin{array}{r} 4 \\ +7 \\ \hline 11 \end{array}$	$\begin{array}{r} 7 \\ +4 \\ \hline 11 \end{array}$

CLUSTER 29a	
$\begin{array}{r} 4 \\ +8 \\ \hline 12 \end{array}$	$\begin{array}{r} 8 \\ +4 \\ \hline 12 \end{array}$

CLUSTER 30a	
$\begin{array}{r} 4 \\ +9 \\ \hline 13 \end{array}$	$\begin{array}{r} 9 \\ +4 \\ \hline 13 \end{array}$

CLUSTER 31a	
$\begin{array}{r} 5 \\ +5 \\ \hline 10 \end{array}$	

CLUSTER 32a	
$\begin{array}{r} 5 \\ +6 \\ \hline 11 \end{array}$	$\begin{array}{r} 6 \\ +5 \\ \hline 11 \end{array}$

MATH

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Subtraction Clusters 18s-32s

Name _____ Date _____

$$\begin{array}{r} 989 \\ - 635 \\ \hline \end{array}$$

354

$$\begin{array}{r} 1,241 \\ - 344 \\ \hline \end{array}$$

897

$$\begin{array}{r} 917 \\ - 434 \\ \hline \end{array}$$

483

$$\begin{array}{r} 612 \\ - 303 \\ \hline \end{array}$$

309

$$\begin{array}{r} 933 \\ - 599 \\ \hline \end{array}$$

334

$$\begin{array}{r} 1,318 \\ - 485 \\ \hline \end{array}$$

833

$$\begin{array}{r} 1,010 \\ - 407 \\ \hline \end{array}$$

603

$$\begin{array}{r} 1,211 \\ - 556 \\ \hline \end{array}$$

655

$$\begin{array}{r} 902 \\ - 448 \\ \hline \end{array}$$

454

$$\begin{array}{r} 1,000 \\ - 536 \\ \hline \end{array}$$

464

$$\begin{array}{r} 920 \\ - 373 \\ \hline \end{array}$$

547

$$\begin{array}{r} 1,180 \\ - 735 \\ \hline \end{array}$$

445

CLUSTER 18s $\begin{array}{r} 6 \\ -3 \\ \hline 3 \end{array}$	CLUSTER 19s $\begin{array}{r} 7 \quad 7 \\ -3 \quad -4 \\ \hline 4 \quad 3 \end{array}$	CLUSTER 20s $\begin{array}{r} 8 \quad 8 \\ -3 \quad -5 \\ \hline 5 \quad 3 \end{array}$	CLUSTER 21s $\begin{array}{r} 9 \quad 9 \\ -3 \quad -6 \\ \hline 6 \quad 3 \end{array}$	CLUSTER 22s $\begin{array}{r} 10 \quad 10 \\ -3 \quad -7 \\ \hline 7 \quad 3 \end{array}$
CLUSTER 23s $\begin{array}{r} 11 \quad 11 \\ -3 \quad -8 \\ \hline 8 \quad 3 \end{array}$	CLUSTER 24s $\begin{array}{r} 12 \quad 12 \\ -3 \quad -9 \\ \hline 9 \quad 3 \end{array}$	CLUSTER 25s $\begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array}$	CLUSTER 26s $\begin{array}{r} 9 \quad 9 \\ -4 \quad -5 \\ \hline 5 \quad 4 \end{array}$	CLUSTER 27s $\begin{array}{r} 10 \quad 10 \\ -4 \quad -6 \\ \hline 6 \quad 4 \end{array}$
CLUSTER 28s $\begin{array}{r} 11 \quad 11 \\ -4 \quad -7 \\ \hline 7 \quad 4 \end{array}$	CLUSTER 29s $\begin{array}{r} 12 \quad 12 \\ -4 \quad -8 \\ \hline 8 \quad 4 \end{array}$	CLUSTER 30s $\begin{array}{r} 13 \quad 13 \\ -4 \quad -9 \\ \hline 9 \quad 4 \end{array}$	CLUSTER 31s $\begin{array}{r} 10 \\ -5 \\ \hline 5 \end{array}$	CLUSTER 32s $\begin{array}{r} 11 \quad 11 \\ -5 \quad -6 \\ \hline 6 \quad 5 \end{array}$

Name _____ Date _____

CLUSTER 28

4	7
<u>+7</u>	<u>+4</u>
11	11
11	11
<u>-4</u>	<u>-7</u>
7	4

$$\begin{array}{r} 1,131 \\ - 574 \\ \hline 557 \end{array}$$

CLUSTER 33

5	7
<u>+7</u>	<u>+5</u>
12	12
12	12
<u>-5</u>	<u>-7</u>
7	5

$$\begin{array}{r} 1,343 \\ - 749 \\ \hline 594 \end{array}$$

CLUSTER 29

4	8
<u>+8</u>	<u>+4</u>
12	12
12	12
<u>-4</u>	<u>-8</u>
8	4

$$\begin{array}{r} 454 \\ + 557 \\ \hline 1011 \end{array}$$

$$\begin{array}{r} 1,220 \\ - 765 \\ \hline 455 \end{array}$$

$$\begin{array}{r} 467 \\ + 654 \\ \hline 1121 \end{array}$$

$$\begin{array}{r} 1,231 \\ - 746 \\ \hline 485 \end{array}$$

$$\begin{array}{r} 507 \\ + 705 \\ \hline 1212 \end{array}$$

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

$$\begin{array}{r} 130 \\ - 55 \\ \hline 75 \end{array}$$

$$\begin{array}{r} 368 \\ + 944 \\ \hline 1312 \end{array}$$

$$\begin{array}{r} 131 \\ - 85 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 345 \\ + 865 \\ \hline 1210 \end{array}$$

$$\begin{array}{r} 448 \\ + 764 \\ \hline 1212 \end{array}$$

$$\begin{array}{r} 1,133 \\ - 549 \\ \hline 584 \end{array}$$

$$\begin{array}{r} 449 \\ + 754 \\ \hline 1203 \end{array}$$

$$\begin{array}{r} 1,341 \\ - 544 \\ \hline 797 \end{array}$$

$$\begin{array}{r} 534 \\ + 597 \\ \hline 1131 \end{array}$$

CLUSTER 30

4	9
<u>+9</u>	<u>+4</u>
13	13
13	13
<u>-4</u>	<u>-9</u>
9	4

$$\begin{array}{r} 1,422 \\ - 454 \\ \hline 968 \end{array}$$

CLUSTER 31

5	10
<u>+5</u>	<u>-5</u>
10	5

$$\begin{array}{r} 1,212 \\ - 507 \\ \hline 705 \end{array}$$

CLUSTER 32

5	6
<u>+6</u>	<u>+5</u>
11	11
11	11
<u>-5</u>	<u>-6</u>
6	5

Name _____ Date _____

CLUSTER 29

4	8
<u>+8</u>	<u>+4</u>
12	12
12	12
<u>-4</u>	<u>-8</u>
8	4

$$\begin{array}{r} 1,340 \\ - 485 \\ \hline 855 \end{array}$$

CLUSTER 34

5	8
<u>+8</u>	<u>+5</u>
13	13
13	13
<u>-5</u>	<u>-8</u>
8	5

$$\begin{array}{r} 1,310 \\ - 805 \\ \hline 505 \end{array}$$

CLUSTER 30

4	9
<u>+9</u>	<u>+4</u>
13	13
13	13
<u>-4</u>	<u>-9</u>
9	4

$$\begin{array}{r} 435 \\ + 887 \\ \hline 1322 \end{array}$$

$$\begin{array}{r} 1,232 \\ - 557 \\ \hline 675 \end{array}$$

$$\begin{array}{r} 142 \\ - 84 \\ \hline 58 \end{array}$$

$$\begin{array}{r} 478 \\ + 645 \\ \hline 1123 \end{array}$$

305

$$\begin{array}{r} 785 \\ + 545 \\ \hline 1330 \end{array}$$

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

$$\begin{array}{r} 40 \\ + 976 \\ \hline 1321 \end{array}$$

$$\begin{array}{r} 1,333 \\ - 579 \\ \hline 754 \end{array}$$

$$\begin{array}{r} 44 \\ + 58 \\ \hline 102 \end{array}$$

$$\begin{array}{r} 736 \\ + 495 \\ \hline 1231 \end{array}$$

$$\begin{array}{r} 1,312 \\ - 508 \\ \hline 804 \end{array}$$

$$\begin{array}{r} 737 \\ + 595 \\ \hline 1332 \end{array}$$

$$\begin{array}{r} 1,431 \\ - 486 \\ \hline 945 \end{array}$$

$$\begin{array}{r} 685 \\ + 547 \\ \hline 1232 \end{array}$$

CLUSTER 32

5	6
<u>+6</u>	<u>+5</u>
11	11
11	11
<u>-5</u>	<u>-6</u>
6	5

$$\begin{array}{r} 1,013 \\ - 509 \\ \hline 504 \end{array}$$

CLUSTER 31

5	10
<u>+5</u>	<u>-5</u>
10	5

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

CLUSTER 33

5	7
<u>+7</u>	<u>+5</u>
12	12
12	12
<u>-5</u>	<u>-7</u>
7	5

Name _____ Date _____

CLUSTER 30

$$\begin{array}{r} 4 \quad 9 \\ +9 \quad +4 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -4 \quad -9 \\ \hline 9 \quad 4 \end{array}$$

$$\begin{array}{r} 924 \\ -769 \\ \hline 155 \end{array}$$

$$\begin{array}{r} 1,024 \\ -155 \\ \hline 869 \end{array}$$

CLUSTER 32

$$\begin{array}{r} 5 \quad 6 \\ +6 \quad +5 \\ \hline 11 \quad 11 \\ 11 \quad 11 \\ -5 \quad -6 \\ \hline 6 \quad 5 \end{array}$$

$$\begin{array}{r} 755 \\ +159 \\ \hline 914 \end{array}$$

$$\begin{array}{r} 1,340 \\ -755 \\ \hline 585 \end{array}$$

$$87$$

$$\begin{array}{r} 1,489 \\ -918 \\ \hline 571 \end{array}$$

$$\begin{array}{r} 451 \\ +768 \\ \hline 1219 \end{array}$$

CLUSTER 35

$$\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \\ \hline 14 \quad 14 \\ 14 \quad 14 \\ -5 \quad -9 \\ \hline 9 \quad 5 \end{array}$$

$$87$$

$$801$$

$$\begin{array}{r} +455 \\ \hline 1343 \end{array}$$

CLUSTER 8

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

$$405$$

$$\begin{array}{r} +988 \\ \hline 1393 \end{array}$$

CLUSTER 7

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

$$\begin{array}{r} 488 \\ +545 \\ \hline 1033 \end{array}$$

$$630$$

$$105$$

$$\begin{array}{r} +597 \\ \hline 1332 \end{array}$$

$$\begin{array}{r} 1,440 \\ -955 \\ \hline 485 \end{array}$$

$$645$$

$$\begin{array}{r} +559 \\ \hline 1204 \end{array}$$

CLUSTER 33

$$\begin{array}{r} 5 \quad 7 \\ +7 \quad +5 \\ \hline 12 \quad 12 \\ 12 \quad 12 \\ -5 \quad -7 \\ \hline 7 \quad 5 \end{array}$$

$$\begin{array}{r} 1,434 \\ -955 \\ \hline 479 \end{array}$$

CLUSTER 31

$$\begin{array}{r} 5 \quad 10 \\ +5 \quad -5 \\ \hline 10 \quad 5 \end{array}$$

$$\begin{array}{r} 142 \\ -45 \\ \hline 97 \end{array}$$

CLUSTER 34

$$\begin{array}{r} 5 \quad 8 \\ +8 \quad +5 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -5 \quad -8 \\ \hline 8 \quad 5 \end{array}$$

Name _____

Date _____

CLUSTER 32

$$\begin{array}{r} 5 \quad 6 \\ +6 \quad +5 \\ \hline 11 \quad 11 \\ 11 \quad 11 \\ -5 \quad -6 \\ \hline 6 \quad 5 \end{array}$$

$$\begin{array}{r} 130 \\ -65 \\ \hline 65 \end{array}$$

CLUSTER 36

$$\begin{array}{r} 6 \quad 12 \\ +6 \quad -6 \\ \hline 12 \quad 6 \end{array}$$

$$\begin{array}{r} 626 \\ -354 \\ \hline 272 \end{array}$$

CLUSTER 33

$$\begin{array}{r} 5 \quad 7 \\ +7 \quad +5 \\ \hline 12 \quad 12 \\ 12 \quad 12 \\ -5 \quad -7 \\ \hline 7 \quad 5 \end{array}$$

$$\begin{array}{r} 863 \\ +562 \\ \hline 1425 \end{array}$$

$$\begin{array}{r} 1,254 \\ -595 \\ \hline 659 \end{array}$$

$$\begin{array}{r} 112 \\ 434 \\ +596 \\ \hline 1142 \end{array}$$

$$\begin{array}{r} 1,210 \\ -605 \\ \hline 605 \end{array}$$

$$\begin{array}{r} 448 \\ +565 \\ \hline 1013 \end{array}$$

CLUSTER 11

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

$$\begin{array}{r} 646 \\ +556 \\ \hline 1202 \end{array}$$

$$\begin{array}{r} 413 \\ 32 \\ +679 \\ \hline 1124 \end{array}$$

CLUSTER 12

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

$$\begin{array}{r} 449 \\ +955 \\ \hline 1404 \end{array}$$

$$\begin{array}{r} 346 \\ +285 \\ \hline 631 \end{array}$$

$$\begin{array}{r} 1,372 \\ -527 \\ \hline 845 \end{array}$$

$$\begin{array}{r} 413 \\ 32 \\ +679 \\ \hline 1124 \end{array}$$

$$\begin{array}{r} 1,551 \\ -955 \\ \hline 596 \end{array}$$

$$\begin{array}{r} 348 \\ +265 \\ \hline 613 \end{array}$$

CLUSTER 34

$$\begin{array}{r} 5 \quad 8 \\ +8 \quad +5 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -5 \quad -8 \\ \hline 8 \quad 5 \end{array}$$

$$\begin{array}{r} 1,323 \\ -568 \\ \hline 755 \end{array}$$

CLUSTER 31

$$\begin{array}{r} 5 \quad 10 \\ +5 \quad -5 \\ \hline 10 \quad 5 \end{array}$$

$$\begin{array}{r} 1,422 \\ -565 \\ \hline 857 \end{array}$$

CLUSTER 35

$$\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \\ \hline 14 \quad 14 \\ 14 \quad 14 \\ -5 \quad -9 \\ \hline 9 \quad 5 \end{array}$$

Name _____

Date _____

CLUSTER 32

$$\begin{array}{r} 5 \quad 6 \\ +6 \quad +5 \\ \hline 11 \quad 11 \\ 11 \quad 11 \\ -5 \quad -6 \\ \hline 6 \quad 5 \end{array}$$

$$\begin{array}{r} 853 \\ -597 \\ \hline 256 \end{array}$$

CLUSTER 37

$$\begin{array}{r} 6 \quad 7 \\ +7 \quad +6 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -6 \quad -7 \\ \hline 7 \quad 6 \end{array}$$

$$\begin{array}{r} 682 \\ -225 \\ \hline 457 \end{array}$$

CLUSTER 33

$$\begin{array}{r} 5 \quad 7 \\ +7 \quad +5 \\ \hline 12 \quad 12 \\ 12 \quad 12 \\ -5 \quad -7 \\ \hline 7 \quad 5 \end{array}$$

$$\begin{array}{r} 647 \\ +626 \\ \hline 1273 \end{array}$$

$$\begin{array}{r} 733 \\ -466 \\ \hline 267 \end{array}$$

$$\begin{array}{r} 312 \\ 254 \\ +557 \\ \hline 1123 \end{array}$$

$$\begin{array}{r} 723 \\ -256 \\ \hline 467 \end{array}$$

$$\begin{array}{r} 155 \\ +579 \\ \hline 734 \end{array}$$

CLUSTER 12

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

$$\begin{array}{r} 449 \\ +975 \\ \hline 1424 \end{array}$$

$$\begin{array}{r} 254 \\ +557 \\ \hline 1123 \end{array}$$

CLUSTER 13

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

$$\begin{array}{r} 449 \\ +675 \\ \hline 1124 \end{array}$$

$$\begin{array}{r} 245 \\ 482 \\ +606 \\ \hline 1333 \end{array}$$

$$\begin{array}{r} 348 \\ +265 \\ \hline 613 \end{array}$$

$$\begin{array}{r} 1,353 \\ -558 \\ \hline 795 \end{array}$$

$$\begin{array}{r} 482 \\ +606 \\ \hline 1333 \end{array}$$

$$\begin{array}{r} 1,344 \\ -579 \\ \hline 765 \end{array}$$

$$\begin{array}{r} 448 \\ +875 \\ \hline 1323 \end{array}$$

CLUSTER 34

$$\begin{array}{r} 5 \quad 8 \\ +8 \quad +5 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -5 \quad -8 \\ \hline 8 \quad 5 \end{array}$$

$$\begin{array}{r} 1,242 \\ -657 \\ \hline 585 \end{array}$$

CLUSTER 36

$$\begin{array}{r} 6 \quad 12 \\ +6 \quad -6 \\ \hline 12 \quad 6 \end{array}$$

$$\begin{array}{r} 1,542 \\ -586 \\ \hline 956 \end{array}$$

CLUSTER 35

$$\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \\ \hline 14 \quad 14 \\ 14 \quad 14 \\ -5 \quad -9 \\ \hline 9 \quad 5 \end{array}$$

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Addition Clusters 28a-37a

Name _____ Date _____

$$\begin{array}{r} 50,854 \\ +70,577 \\ \hline \end{array}$$

121,431

$$\begin{array}{r} 55,865 \\ +76,565 \\ \hline \end{array}$$

132,430

$$\begin{array}{r} 67,355 \\ +44,858 \\ \hline \end{array}$$

112,213

$$\begin{array}{r} 23,752 \\ +29,552 \\ \hline \end{array}$$

53,304

$$\begin{array}{r} 20,112 \\ 26,232 \\ \hline \end{array}$$

$$\begin{array}{r} +74,967 \\ \hline \end{array}$$

121,311

$$\begin{array}{r} 5,218 \\ 40,225 \\ \hline \end{array}$$

$$\begin{array}{r} +56,980 \\ \hline \end{array}$$

102,423

$$\begin{array}{r} 73,549 \\ +57,584 \\ \hline \end{array}$$

131,133

$$\begin{array}{r} 41,217 \\ 2,230 \\ \hline \end{array}$$

$$\begin{array}{r} +68,575 \\ \hline \end{array}$$

112,022

$$\begin{array}{r} 21,760 \\ 23,067 \\ \hline \end{array}$$

$$\begin{array}{r} +59,404 \\ \hline \end{array}$$

104,231

$$\begin{array}{r} 56,865 \\ +66,456 \\ \hline \end{array}$$

123,321

CLUSTER 28a

$$\begin{array}{r} 4 \quad 7 \\ +7 \quad +4 \\ \hline 11 \quad 11 \end{array}$$

CLUSTER 29a

$$\begin{array}{r} 4 \quad 8 \\ +8 \quad +4 \\ \hline 12 \quad 12 \end{array}$$

CLUSTER 30a

$$\begin{array}{r} 4 \quad 9 \\ +9 \quad +4 \\ \hline 13 \quad 13 \end{array}$$

CLUSTER 31a

$$\begin{array}{r} 5 \\ +5 \\ \hline 10 \end{array}$$

CLUSTER 32a

$$\begin{array}{r} 5 \quad 6 \\ +6 \quad +5 \\ \hline 11 \quad 11 \end{array}$$

CLUSTER 33a

$$\begin{array}{r} 5 \quad 7 \\ +7 \quad +5 \\ \hline 12 \quad 12 \end{array}$$

CLUSTER 34a

$$\begin{array}{r} 5 \quad 8 \\ +8 \quad +5 \\ \hline 13 \quad 13 \end{array}$$

CLUSTER 35a

$$\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \\ \hline 14 \quad 14 \end{array}$$

CLUSTER 36a

$$\begin{array}{r} 6 \\ +6 \\ \hline 12 \end{array}$$

CLUSTER 37a

$$\begin{array}{r} 6 \quad 7 \\ +7 \quad +6 \\ \hline 13 \quad 13 \end{array}$$

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Name _____ Date _____

Subtraction Review--Clusters 28s-37s

$$\begin{array}{r} 1,323 \\ - 579 \\ \hline \end{array}$$

744

$$\begin{array}{r} 1,320 \\ - 745 \\ \hline \end{array}$$

575

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

46

$$\begin{array}{r} 15,313 \\ - 5,709 \\ \hline \end{array}$$

9,604

$$\begin{array}{r} 1,342 \\ - 456 \\ \hline \end{array}$$

886

$$\begin{array}{r} 15,441 \\ - 5,875 \\ \hline \end{array}$$

9,566

$$\begin{array}{r} 153 \\ - 96 \\ \hline \end{array}$$

57

$$\begin{array}{r} 1,132 \\ - 576 \\ \hline \end{array}$$

556

$$\begin{array}{r} 1,422 \\ - 468 \\ \hline \end{array}$$

954

$$\begin{array}{r} 1,133 \\ - 565 \\ \hline \end{array}$$

568

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

87

$$\begin{array}{r} 1,544 \\ - 569 \\ \hline \end{array}$$

975

CLUSTER 28s

$$\begin{array}{r} 11 \quad 11 \\ -4 \quad -7 \\ \hline 7 \quad 4 \end{array}$$

CLUSTER 29s

$$\begin{array}{r} 12 \quad 12 \\ -4 \quad -8 \\ \hline 8 \quad 4 \end{array}$$

CLUSTER 30s

$$\begin{array}{r} 13 \quad 13 \\ -4 \quad -9 \\ \hline 9 \quad 4 \end{array}$$

CLUSTER 31s

$$\begin{array}{r} 10 \\ -5 \\ \hline 5 \end{array}$$

CLUSTER 32s

$$\begin{array}{r} 11 \quad 11 \\ -5 \quad -6 \\ \hline 6 \quad 5 \end{array}$$

CLUSTER 33s

$$\begin{array}{r} 12 \quad 12 \\ -5 \quad -7 \\ \hline 7 \quad 5 \end{array}$$

CLUSTER 34s

$$\begin{array}{r} 13 \quad 13 \\ -5 \quad -8 \\ \hline 8 \quad 5 \end{array}$$

CLUSTER 35s

$$\begin{array}{r} 14 \quad 14 \\ -5 \quad -9 \\ \hline 9 \quad 5 \end{array}$$

CLUSTER 36s

$$\begin{array}{r} 12 \\ -6 \\ \hline 6 \end{array}$$

CLUSTER 37s

$$\begin{array}{r} 13 \quad 13 \\ -6 \quad -7 \\ \hline 7 \quad 6 \end{array}$$

Name _____ Date _____

CLUSTER 33

$$\begin{array}{r} 5 \quad 7 \\ +7 \quad +5 \\ \hline 12 \quad 12 \\ 12 \quad 12 \\ -5 \quad -7 \\ \hline 7 \quad 5 \end{array}$$

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

CLUSTER 38

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

$$\begin{array}{r} 1,552 \\ -956 \\ \hline 596 \end{array}$$

CLUSTER 34

$$\begin{array}{r} 5 \quad 8 \\ +8 \quad +5 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -5 \quad -8 \\ \hline 8 \quad 5 \end{array}$$

$$\begin{array}{r} 1,213 \\ -605 \\ \hline 608 \end{array}$$

$$\begin{array}{r} 745 \\ +679 \\ \hline 1424 \end{array}$$

$$\begin{array}{r} 868 \\ +566 \\ \hline 1434 \end{array}$$

$$\begin{array}{r} 1,354 \\ -595 \\ \hline 759 \end{array}$$

$$\begin{array}{r} 407 \\ 40 \end{array}$$

$$\begin{array}{r} 676 \\ +556 \\ \hline 1232 \end{array}$$

$$\begin{array}{r} 1,413 \\ -607 \\ \hline 806 \end{array}$$

$$\begin{array}{r} +786 \\ \hline 1233 \end{array}$$

$$\begin{array}{r} 153 \\ -68 \\ \hline 85 \end{array}$$

$$\begin{array}{r} 479 \\ +955 \\ \hline 1434 \end{array}$$

$$656$$

$$\begin{array}{r} 546 \\ +788 \\ \hline 1334 \end{array}$$

$$\begin{array}{r} 1,452 \\ -567 \\ \hline 885 \end{array}$$

$$\begin{array}{r} 67 \\ +600 \\ \hline 1323 \end{array}$$

$$\begin{array}{r} 1,353 \\ -787 \\ \hline 566 \end{array}$$

$$\begin{array}{r} 657 \\ +685 \\ \hline 1342 \end{array}$$

CLUSTER 35

$$\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \\ \hline 14 \quad 14 \\ 14 \quad 14 \\ -5 \quad -9 \\ \hline 9 \quad 5 \end{array}$$

$$\begin{array}{r} 1,343 \\ -568 \\ \hline 775 \end{array}$$

CLUSTER 36

$$\begin{array}{r} 6 \quad 12 \\ +6 \quad -6 \\ \hline 12 \quad 6 \end{array}$$

$$\begin{array}{r} 1,442 \\ -565 \\ \hline 877 \end{array}$$

CLUSTER 37

$$\begin{array}{r} 6 \quad 7 \\ +7 \quad +6 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -6 \quad -7 \\ \hline 7 \quad 6 \end{array}$$

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CLUSTERS 34-39

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Name _____

Date _____

CLUSTER 34

$$\begin{array}{r} 5 \quad 8 \\ +8 \quad +5 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -5 \quad -8 \\ \hline 8 \quad 5 \end{array}$$

$$\begin{array}{r} 1,365 \\ - 669 \\ \hline 696 \end{array}$$

CLUSTER 39

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

$$\begin{array}{r} 165 \\ - 69 \\ \hline 96 \end{array}$$

CLUSTER 35

$$\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \\ \hline 14 \quad 14 \\ 14 \quad 14 \\ -5 \quad -9 \\ \hline 9 \quad 5 \end{array}$$

$$\begin{array}{r} 555 \\ +968 \\ \hline 1523 \end{array}$$

$$\begin{array}{r} 1,454 \\ - 856 \\ \hline 598 \end{array}$$

$$\begin{array}{r} 479 \\ +866 \\ \hline 1345 \end{array}$$

$$\begin{array}{r} 1,543 \\ - 875 \\ \hline 668 \end{array}$$

$$\begin{array}{r} 856 \\ +569 \\ \hline 1425 \end{array}$$

$$\begin{array}{r} 659 \\ +686 \\ \hline 1345 \end{array}$$

$$\begin{array}{r} 1,453 \\ - 687 \\ \hline 766 \end{array}$$

$$\begin{array}{r} 458 \\ +975 \\ \hline 1433 \end{array}$$

$$\begin{array}{r} 1,454 \\ - 669 \\ \hline 785 \end{array}$$

$$\begin{array}{r} 477 \\ +866 \\ \hline 1343 \end{array}$$

$$\begin{array}{r} 779 \\ +565 \\ \hline 1344 \end{array}$$

$$\begin{array}{r} 1,515 \\ - 609 \\ \hline 906 \end{array}$$

$$\begin{array}{r} 456 \\ +986 \\ \hline 1442 \end{array}$$

$$\begin{array}{r} 153 \\ - 58 \\ \hline 95 \end{array}$$

$$\begin{array}{r} 756 \\ +597 \\ \hline 1353 \end{array}$$

CLUSTER 37

$$\begin{array}{r} 6 \quad 7 \\ +7 \quad +6 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -6 \quad -7 \\ \hline 7 \quad 6 \end{array}$$

$$\begin{array}{r} 1,542 \\ - 956 \\ \hline 586 \end{array}$$

CLUSTER 36

$$\begin{array}{r} 6 \quad 12 \\ +6 \quad -6 \\ \hline 12 \quad 6 \end{array}$$

$$\begin{array}{r} 1,412 \\ - 806 \\ \hline 606 \end{array}$$

CLUSTER 38

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

Name _____ Date _____

CLUSTER 35

5	9
<u>+9</u>	<u>+5</u>
14	14
14	14
<u>-5</u>	<u>-9</u>
9	5

$$\begin{array}{r} 964 \\ -467 \\ \hline 497 \end{array}$$

CLUSTER 40

7	14
<u>+7</u>	<u>-7</u>
14	7

$$\begin{array}{r} 1,374 \\ -636 \\ \hline 738 \end{array}$$

CLUSTER 37

6	7
<u>+7</u>	<u>+6</u>
13	13
13	13
<u>-6</u>	<u>-7</u>
7	6

$$\begin{array}{r} 567 \\ +867 \\ \hline 1434 \end{array}$$

$$\begin{array}{r} 1,454 \\ -798 \\ \hline 656 \end{array}$$

$$\begin{array}{r} 233 \\ 343 \\ \hline \end{array}$$

$$\begin{array}{r} 695 \\ -349 \\ \hline 346 \end{array}$$

$$\begin{array}{r} 549 \\ +796 \\ \hline 1345 \end{array}$$

$$\begin{array}{r} +966 \\ \hline 1542 \end{array}$$

$$\begin{array}{r} 586 \\ +659 \\ \hline 1245 \end{array}$$

CLUSTER 18

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

CLUSTER 25

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

$$\begin{array}{r} 386 \\ +458 \\ \hline 844 \end{array}$$

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

$$\begin{array}{r} 585 \\ +769 \\ \hline 1354 \end{array}$$

$$\begin{array}{r} 1,535 \\ -669 \\ \hline 866 \end{array}$$

$$\begin{array}{r} 340 \\ +867 \\ \hline 1444 \end{array}$$

$$\begin{array}{r} 1,654 \\ -698 \\ \hline 956 \end{array}$$

$$\begin{array}{r} 567 \\ +976 \\ \hline 1543 \end{array}$$

CLUSTER 38

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

$$\begin{array}{r} 1,414 \\ -705 \\ \hline 709 \end{array}$$

CLUSTER 36

6	12
<u>+6</u>	<u>-6</u>
12	6

$$\begin{array}{r} 1,553 \\ -677 \\ \hline 876 \end{array}$$

CLUSTER 39

6	9
<u>+9</u>	<u>+6</u>
15	15
15	15
<u>-6</u>	<u>-9</u>
9	6

Name _____

Date _____

CLUSTER 37

$$\begin{array}{r} 6 \quad 7 \\ +7 \quad +6 \\ \hline 13 \quad 13 \\ 13 \quad 13 \\ -6 \quad -7 \\ \hline 7 \quad 6 \end{array}$$

$$\begin{array}{r} 568 \\ +777 \\ \hline \end{array}$$

1345

$$\begin{array}{r} 766 \\ +689 \\ \hline \end{array}$$

1455

$$\begin{array}{r} 566 \\ +886 \\ \hline \end{array}$$

1452

$$\begin{array}{r} 317 \\ +466 \\ \hline \end{array}$$

783

CLUSTER 36

$$\begin{array}{r} 6 \quad 12 \\ +6 \quad -6 \\ \hline 12 \quad 6 \end{array}$$

$$\begin{array}{r} 855 \\ -468 \\ \hline \end{array}$$

387

$$\begin{array}{r} 963 \\ -277 \\ \hline \end{array}$$

686

CLUSTER 14

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

$$\begin{array}{r} 1,547 \\ -873 \\ \hline \end{array}$$

674

$$\begin{array}{r} 1,355 \\ -686 \\ \hline \end{array}$$

669

$$\begin{array}{r} 1,593 \\ -966 \\ \hline \end{array}$$

627

CLUSTER 41

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

$$\begin{array}{r} 236 \\ 432 \\ +787 \\ \hline \end{array}$$

1455

CLUSTER 39

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

$$\begin{array}{r} 154 \\ 623 \\ +768 \\ \hline \end{array}$$

1545

$$\begin{array}{r} 1,557 \\ -673 \\ \hline \end{array}$$

884

$$\begin{array}{r} 1,512 \\ -806 \\ \hline \end{array}$$

706

CLUSTER 19

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

$$\begin{array}{r} 1,364 \\ -667 \\ \hline \end{array}$$

697

$$\begin{array}{r} 1,493 \\ -827 \\ \hline \end{array}$$

666

$$\begin{array}{r} 1,645 \\ -968 \\ \hline \end{array}$$

677

CLUSTER 38

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

$$\begin{array}{r} 686 \\ +767 \\ \hline \end{array}$$

1453

$$\begin{array}{r} 656 \\ +686 \\ \hline \end{array}$$

1342

$$\begin{array}{r} 576 \\ +779 \\ \hline \end{array}$$

1355

$$\begin{array}{r} 457 \\ +328 \\ \hline \end{array}$$

785

CLUSTER 40

$$\begin{array}{r} 7 \quad 14 \\ +7 \quad -7 \\ \hline 14 \quad 7 \end{array}$$

Name _____

Date _____

CLUSTER 37

6	7
<u>+7</u>	<u>+6</u>
13	13
13	13
<u>-6</u>	<u>-7</u>
7	6

$$\begin{array}{r} 1,656 \\ - 679 \\ \hline 977 \end{array}$$

CLUSTER 42

7	9
<u>+9</u>	<u>+7</u>
16	16
16	16
<u>-7</u>	<u>-9</u>
9	7

$$\begin{array}{r} 903 \\ - 526 \\ \hline 377 \end{array}$$

CLUSTER 38

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

$$\begin{array}{r} 867 \\ + 689 \\ \hline 1556 \end{array}$$

$$\begin{array}{r} 1,455 \\ - 787 \\ \hline 668 \end{array}$$

$$\begin{array}{r} 147 \end{array}$$

$$\begin{array}{r} 1,615 \\ - 708 \\ \hline 907 \end{array}$$

$$\begin{array}{r} 557 \\ + 989 \\ \hline 1546 \end{array}$$

$$\begin{array}{r} 577 \\ + 767 \\ \hline 1344 \end{array}$$

CLUSTER 15

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

$$\begin{array}{r} 732 \\ + 766 \\ \hline 1645 \end{array}$$

CLUSTER 20

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

$$\begin{array}{r} 686 \\ + 767 \\ \hline 1453 \end{array}$$

$$\begin{array}{r} 658 \\ + 687 \\ \hline 1345 \end{array}$$

$$\begin{array}{r} 1,666 \\ - 897 \\ \hline 769 \end{array}$$

$$\begin{array}{r} 215 \end{array}$$

$$\begin{array}{r} 573 \\ + 677 \\ \hline 1465 \end{array}$$

$$\begin{array}{r} 1,566 \\ - 869 \\ \hline 697 \end{array}$$

$$\begin{array}{r} 567 \\ + 968 \\ \hline 1535 \end{array}$$

CLUSTER 39

6	9
<u>+9</u>	<u>+6</u>
15	15
15	15
<u>-6</u>	<u>-9</u>
9	6

$$\begin{array}{r} 994 \\ - 736 \\ \hline 258 \end{array}$$

CLUSTER 40

7	14
<u>+7</u>	<u>-7</u>
14	7

$$\begin{array}{r} 1,053 \\ - 766 \\ \hline 287 \end{array}$$

CLUSTER 41

7	8
<u>+8</u>	<u>+7</u>
15	15
15	15
<u>-7</u>	<u>-8</u>
8	7

Name _____

Date _____

CLUSTER 38

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

$$\begin{array}{r} 1,556 \\ -678 \\ \hline 878 \end{array}$$

CLUSTER 43

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

$$\begin{array}{r} 996 \\ -317 \\ \hline 679 \end{array}$$

CLUSTER 39

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

$$\begin{array}{r} 768 \\ +698 \\ \hline 1466 \end{array}$$

$$\begin{array}{r} 975 \\ -796 \\ \hline 179 \end{array}$$

$$\begin{array}{r} 206 \\ 673 \\ +667 \\ \hline 1546 \end{array}$$

$$\begin{array}{r} 1,576 \\ -889 \\ \hline 687 \end{array}$$

$$\begin{array}{r} 566 \\ +889 \\ \hline 1455 \end{array}$$

CLUSTER 7

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

$$\begin{array}{r} 279 \\ +676 \\ \hline 955 \end{array}$$

CLUSTER 21

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

$$\begin{array}{r} 677 \\ +887 \\ \hline 1564 \end{array}$$

$$\begin{array}{r} 757 \\ 31 \\ +778 \\ \hline 1566 \end{array}$$

$$\begin{array}{r} 857 \\ +787 \\ \hline 1644 \end{array}$$

$$\begin{array}{r} 1,565 \\ -698 \\ \hline 867 \end{array}$$

$$\begin{array}{r} 31 \\ +778 \\ \hline 1566 \end{array}$$

$$\begin{array}{r} 1,664 \\ -677 \\ \hline 987 \end{array}$$

$$\begin{array}{r} 557 \\ +899 \\ \hline 1456 \end{array}$$

CLUSTER 41

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

$$\begin{array}{r} 1,649 \\ -786 \\ \hline 863 \end{array}$$

CLUSTER 40

$$\begin{array}{r} 7 \quad 14 \\ +7 \quad -7 \\ \hline 14 \quad 7 \end{array}$$

$$\begin{array}{r} 1,655 \\ -869 \\ \hline 786 \end{array}$$

CLUSTER 42

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

Name _____

Date _____

CLUSTER 39

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

$$\begin{array}{r} 1,784 \\ - 897 \\ \hline 887 \end{array}$$

CLUSTER 44

$$\begin{array}{r} 8 \quad 9 \\ +9 \quad +8 \\ \hline 17 \quad 17 \\ 17 \quad 17 \\ -8 \quad -9 \\ \hline 9 \quad 8 \end{array}$$

$$\begin{array}{r} 1,617 \\ - 809 \\ \hline 808 \end{array}$$

CLUSTER 41

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

$$\begin{array}{r} 768 \\ +879 \\ \hline 1647 \end{array}$$

$$\begin{array}{r} 1,667 \\ - 798 \\ \hline 869 \end{array}$$

$$\begin{array}{r} 867 \\ +687 \\ \hline 1554 \end{array}$$

$$\begin{array}{r} 1,685 \\ - 998 \\ \hline 687 \end{array}$$

$$\begin{array}{r} 689 \\ +867 \\ \hline 1556 \end{array}$$

$$\begin{array}{r} 686 \\ +879 \\ \hline 1565 \end{array}$$

$$\begin{array}{r} 1,666 \\ - 867 \\ \hline 799 \end{array}$$

$$\begin{array}{r} 779 \\ +896 \\ \hline 1675 \end{array}$$

$$\begin{array}{r} 1,576 \\ - 778 \\ \hline 798 \end{array}$$

$$\begin{array}{r} 766 \\ +799 \\ \hline 1565 \end{array}$$

$$\begin{array}{r} 787 \\ +789 \\ \hline 1576 \end{array}$$

$$\begin{array}{r} 1,717 \\ - 908 \\ \hline 809 \end{array}$$

$$\begin{array}{r} 587 \\ +987 \\ \hline 1574 \end{array}$$

$$\begin{array}{r} 1,767 \\ - 968 \\ \hline 799 \end{array}$$

$$\begin{array}{r} 779 \\ +988 \\ \hline 1767 \end{array}$$

CLUSTER 40

$$\begin{array}{r} 7 \quad 14 \\ +7 \quad -7 \\ \hline 14 \quad 7 \end{array}$$

$$\begin{array}{r} 1,775 \\ - 898 \\ \hline 877 \end{array}$$

CLUSTER 42

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

$$\begin{array}{r} 166 \\ - 79 \\ \hline 87 \end{array}$$

CLUSTER 43

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

MATH

CLUSTERS 40-45

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Name _____ Date _____

CLUSTER 40	
7	14
+7	-7
14	7

$$\begin{array}{r} 1,688 \\ - 789 \\ \hline 899 \end{array}$$

CLUSTER 45	
9	18
+9	-9
18	9

$$\begin{array}{r} 1,597 \\ - 798 \\ \hline 799 \end{array}$$

CLUSTER 43	
8	16
+8	-8
16	8

$$\begin{array}{r} 679 \\ + 789 \\ \hline 1468 \end{array}$$

$$\begin{array}{r} 1,686 \\ - 897 \\ \hline 789 \end{array}$$

$$\begin{array}{r} 868 \\ + 978 \\ \hline 1846 \end{array}$$

$$\begin{array}{r} 1,666 \\ - 788 \\ \hline 878 \end{array}$$

$$\begin{array}{r} 679 \\ + 897 \\ \hline 1576 \end{array}$$

$$\begin{array}{r} 768 \\ + 799 \\ \hline 1567 \end{array}$$

$$\begin{array}{r} 1,756 \\ - 978 \\ \hline 778 \end{array}$$

$$\begin{array}{r} 877 \\ + 879 \\ \hline 1756 \end{array}$$

$$\begin{array}{r} 1,616 \\ - 709 \\ \hline 907 \end{array}$$

$$\begin{array}{r} 788 \\ + 799 \\ \hline 1587 \end{array}$$

$$\begin{array}{r} 889 \\ + 788 \\ \hline 1677 \end{array}$$

$$\begin{array}{r} 194 \\ - 97 \\ \hline 97 \end{array}$$

$$\begin{array}{r} 687 \\ + 798 \\ \hline 1485 \end{array}$$

$$\begin{array}{r} 1,888 \\ - 899 \\ \hline 989 \end{array}$$

$$\begin{array}{r} 789 \\ + 879 \\ \hline 1668 \end{array}$$

CLUSTER 41	
7	8
+8	+7
15	15
15	15
-7	-8
8	7

$$\begin{array}{r} 1,817 \\ - 909 \\ \hline 908 \end{array}$$

CLUSTER 42	
7	9
+9	+7
16	16
16	16
-7	-9
9	7

$$\begin{array}{r} 1,676 \\ - 789 \\ \hline 887 \end{array}$$

CLUSTER 44	
8	9
+9	+8
17	17
17	17
-8	-9
9	8

MATH

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Name _____

Date _____ *Clusters 40-45*

$$\begin{array}{r} 677 \\ +897 \\ \hline 1574 \end{array}$$

$$\begin{array}{r} 787 \\ +889 \\ \hline 1676 \end{array}$$

$$\begin{array}{r} 8,868 \\ +8,997 \\ \hline 17,865 \end{array}$$

$$\begin{array}{r} 888 \\ +977 \\ \hline 1865 \end{array}$$

$$\begin{array}{r} 867 \\ +978 \\ \hline 1845 \end{array}$$

$$\begin{array}{r} 6,878 \\ +7,789 \\ \hline 14,667 \end{array}$$

$$\begin{array}{r} 1,794 \\ -897 \\ \hline 897 \end{array}$$

$$\begin{array}{r} 1,978 \\ -989 \\ \hline 989 \end{array}$$

$$\begin{array}{r} 15,516 \\ -7,808 \\ \hline 7,708 \end{array}$$

$$\begin{array}{r} 1,677 \\ -778 \\ \hline 899 \end{array}$$

$$\begin{array}{r} 1,766 \\ -789 \\ \hline 977 \end{array}$$

$$\begin{array}{r} 18,155 \\ -9,078 \\ \hline 9,077 \end{array}$$

$$\begin{array}{r} 1,716 \\ -909 \\ \hline 807 \end{array}$$

$$\begin{array}{r} 1,677 \\ -879 \\ \hline 798 \end{array}$$

$$\begin{array}{r} 17,975 \\ -8,977 \\ \hline 8,998 \end{array}$$

FACTS

CLUSTER 40

$$\begin{array}{r} 7 \quad 14 \\ +7 \quad -7 \\ \hline 14 \quad 7 \end{array}$$

CLUSTER 41

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

CLUSTER 42

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

CLUSTER 43

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

CLUSTER 44

$$\begin{array}{r} 8 \quad 9 \\ +9 \quad +8 \\ \hline 17 \quad 17 \\ 17 \quad 17 \\ -8 \quad -9 \\ \hline 9 \quad 8 \end{array}$$

CLUSTER 45

$$\begin{array}{r} 9 \quad 18 \\ +9 \quad -9 \\ \hline 18 \quad 9 \end{array}$$

ADDITION REVIEW

Clusters 18a-21a & 36a-45a

$$\begin{array}{r} 766 \\ + 696 \\ \hline 1462 \end{array}$$

$$\begin{array}{r} 269 \\ + 589 \\ \hline 858 \end{array}$$

$$\begin{array}{r} 677 \\ + 689 \\ \hline 1366 \end{array}$$

$$\begin{array}{r} 738 \\ + 739 \\ \hline 1477 \end{array}$$

$$\begin{array}{r} 525 \\ 333 \\ + 877 \\ \hline 1735 \end{array}$$

CLUSTER 18a $\begin{array}{r} 3 \\ + 3 \\ \hline 6 \end{array}$	CLUSTER 19a $\begin{array}{r} 3 \quad 4 \\ + 4 \quad + 3 \\ \hline 7 \quad 7 \end{array}$
CLUSTER 20a $\begin{array}{r} 3 \quad 5 \\ + 5 \quad + 3 \\ \hline 8 \quad 8 \end{array}$	CLUSTER 21a $\begin{array}{r} 3 \quad 6 \\ + 6 \quad + 3 \\ \hline 9 \quad 9 \end{array}$
CLUSTER 36a $\begin{array}{r} 6 \\ + 6 \\ \hline 12 \end{array}$	CLUSTER 37a $\begin{array}{r} 6 \quad 7 \\ + 7 \quad + 6 \\ \hline 13 \quad 13 \end{array}$
CLUSTER 38a $\begin{array}{r} 6 \quad 8 \\ + 8 \quad + 6 \\ \hline 14 \quad 14 \end{array}$	CLUSTER 39a $\begin{array}{r} 6 \quad 9 \\ + 9 \quad + 6 \\ \hline 15 \quad 15 \end{array}$
CLUSTER 40a $\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	CLUSTER 41a $\begin{array}{r} 7 \quad 8 \\ + 8 \quad + 7 \\ \hline 15 \quad 15 \end{array}$
CLUSTER 42a $\begin{array}{r} 7 \quad 9 \\ + 9 \quad + 7 \\ \hline 16 \quad 16 \end{array}$	CLUSTER 43a $\begin{array}{r} 8 \\ + 8 \\ \hline 16 \end{array}$
CLUSTER 44a $\begin{array}{r} 8 \quad 9 \\ + 9 \quad + 8 \\ \hline 17 \quad 17 \end{array}$	CLUSTER 45a $\begin{array}{r} 9 \\ + 9 \\ \hline 18 \end{array}$

$$\begin{array}{r} 893 \\ + 676 \\ \hline 1569 \end{array}$$

$$\begin{array}{r} 926 \\ + 948 \\ \hline 1874 \end{array}$$

$$\begin{array}{r} 479 \\ + 397 \\ \hline 876 \end{array}$$

$$\begin{array}{r} 568 \\ + 687 \\ \hline 1255 \end{array}$$

$$\begin{array}{r} 223 \\ 534 \\ + 899 \\ \hline 1656 \end{array}$$

MATH

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Subtraction Clusters 36s-45s

Name _____ Date _____

$$\begin{array}{r} 19,752 \\ - 9,876 \\ \hline 9876 \end{array}$$

$$\begin{array}{r} 15,764 \\ - 6,798 \\ \hline 8966 \end{array}$$

$$\begin{array}{r} 17,666 \\ - 8,687 \\ \hline 8979 \end{array}$$

$$\begin{array}{r} 17,146 \\ - 8,069 \\ \hline 9077 \end{array}$$

$$\begin{array}{r} 13,493 \\ - 6,697 \\ \hline 6796 \end{array}$$

$$\begin{array}{r} 18,684 \\ - 8,997 \\ \hline 9687 \end{array}$$

$$\begin{array}{r} 16,685 \\ - 8,796 \\ \hline 7889 \end{array}$$

$$\begin{array}{r} 15,646 \\ - 6,779 \\ \hline 8867 \end{array}$$

$$\begin{array}{r} 14,644 \\ - 6,778 \\ \hline 7866 \end{array}$$

CLUSTER 36s

$$\begin{array}{r} 12 \\ -6 \\ \hline 6 \end{array}$$

CLUSTER 37s

$$\begin{array}{r} 13 \quad 13 \\ -6 \quad -7 \\ \hline 7 \quad 6 \end{array}$$

CLUSTER 38s

$$\begin{array}{r} 14 \quad 14 \\ -6 \quad -8 \\ \hline 8 \quad 6 \end{array}$$

CLUSTER 39s

$$\begin{array}{r} 15 \quad 15 \\ -6 \quad -9 \\ \hline 9 \quad 9 \end{array}$$

CLUSTER 40s

$$\begin{array}{r} 14 \\ -7 \\ \hline 7 \end{array}$$

CLUSTER 41s

$$\begin{array}{r} 15 \quad 15 \\ -7 \quad -8 \\ \hline 8 \quad 7 \end{array}$$

CLUSTER 42s

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

CLUSTER 43s

$$\begin{array}{r} 16 \\ -8 \\ \hline 8 \end{array}$$

CLUSTER 44s

$$\begin{array}{r} 17 \quad 17 \\ -8 \quad -9 \\ \hline 9 \quad 8 \end{array}$$

CLUSTER 45s

$$\begin{array}{r} 18 \\ -9 \\ \hline 9 \end{array}$$