

# 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

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

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

## CLUSTER 5

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## 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

4

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

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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

7

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

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

# MATH

10

Clusters 12-16

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

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

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

CLUSTER 13

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

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

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

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

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

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

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

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

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

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

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

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

CLUSTER 14

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

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

CLUSTER 15

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

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

CLUSTER 16

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

# 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

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

# MATH

CLUSTERS 15-20

16

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

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

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

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

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

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

**CLUSTER 25**

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

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

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

**CLUSTER 21**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**CLUSTER 22**

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

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

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

**CLUSTER 23**

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

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

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

**CLUSTER 24**

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

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



Name \_\_\_\_\_

Date \_\_\_\_\_

## 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

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

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

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

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

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

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

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

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

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

CLUSTER 26

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

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

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

CLUSTER 25

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

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

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

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

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

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

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

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

CLUSTER 24

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