Math 6 - Unit 1: Number System Fluency
Divisibility Rules Practice (2, 3, 5, 9, 10)

Name:
Class Period: 1234 Date:

Some Friendly Advice! Some "Friendly Advice" is hidden in the puzzle below. To find it, circle letters next to each given number to show divisibility by $2,3,5,9$ or 10 . Write the circled letters in order on the line at the right of each problem. The write all the letters, in order, in the boxes at the bottom of the page. Hint: Two of the given numbers are NOT divisible by $2,3,5,9$, or 10 so no letters will be circled for those numbers.

|  | Number | Divisible By |  |  |  |  | Letters (In Order) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2 | 3 | 5 | 9 | 10 |  |
| I | 4,095 | S | N | E | V | 0 |  |
| 2 | 8,170 | E | D | R | L | J |  |
| 3 | 2,685 | 0 | U | M | $G$ | S |  |
| [ | 534 | P | I | A | T | F |  |
| 5 | 609 | S | N | F | $\mathbf{X}$ | T |  |
| 6 | 29,178 | T | 0 | T | A | I |  |
| 7 | 90,005 | 0 | A | P | E | B |  |
| 8 | 467 | N | E | M | I | C |  |
| ¢ | 60,201 | R | I | E | L | T |  |
| 10 | 3,375 | S | E | 0 | F | N |  |
| $\square$ | 76,380 | L | E | A | D | V |  |
| 12 | 599,422 | E | V | M | S | $G$ |  |
| [3] | 853,806 | S | W | I | F | A |  |
| 14 | 492,570 | I | T | H | A | W |  |
| 15 | 12,685 | I | A | E | P | B |  |
| 16 | 64,423 | E | D | A | L | M |  |
| 17 | 9,999 | K | T | B | S | T |  |
| 18 | 501,105 | R | U | C | H | D |  |
| 19 | 800 | K | M | E | N | R |  |

Advice:


## What Do Kids Do Before They Learn to Read Baseball Cards?

Each row across has 6 boxes. Only three of them contain a number divisible by the given number. Circle these three numbers in each row. Notice the number-letter above each circled number. Write the letter in
 the matching numbered box at the bottom of the page.

|  | $10-\mathrm{T}$ | $21-\mathrm{D}$ | $12-\mathrm{H}$ | $9-\mathrm{U}$ | $3-\mathrm{E}$ | $18-\mathrm{L}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| divisible by 2 | 196 | 825 | 4,374 | 9,701 | 65,250 | 38,669 |


|  | $13-\mathrm{S}$ | $6-0$ | $2-\mathrm{R}$ | $16-\mathrm{T}$ | $7-\mathrm{A}$ | $21-\mathrm{S}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| divisible by 3 | 46 | 51 | 913 | 834 | 7,085 | 4,992 |


|  | $4-\mathrm{Y}$ | $20-\mathrm{T}$ | $18-\mathrm{H}$ | $15-\mathrm{V}$ | $1-\mathrm{S}$ | $13-\mathrm{E}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| divisible by 5 | 325 | 608 | 5,280 | 8,542 | 49,104 | 70,000 |


|  | $14-\mathrm{B}$ | $15-\mathrm{I}$ | $11-\mathrm{S}$ | $1-\mathrm{T}$ | $7-0$ | $19-\mathrm{A}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| divisible by 2 | 437 | 958 | 5,483 | 6,042 | 11,500 | 39,225 |


|  | $5-\mathrm{T}$ | $19-\mathrm{E}$ | $9-\mathrm{A}$ | $17-\mathrm{S}$ | $2-\mathrm{H}$ | $8-\mathrm{N}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (5) divisible by 3 | 119 | 417 | 5,094 | 7,286 | 37,638 | 84,494 |


|  | $11-\mathrm{T}$ | $17-\mathrm{E}$ | $8-\mathrm{F}$ | $5-\mathrm{L}$ | $14-\mathrm{S}$ | $20-\mathrm{R}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| divisible by 5 | 740 | 583 | 1,629 | 2,115 | 99,057 | 69,300 |


|  | $8-\mathrm{K}$ | $17-\mathrm{T}$ | $14-\mathrm{P}$ | $10-\mathrm{V}$ | $8-\mathrm{R}$ | $17-\mathrm{C}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| divisible by <br> both 2 and 3 | 78 | 62 | 3,054 | 5,553 | 24,718 | 92,406 |


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

