

$x \cdot 0 =$ ~~All~~ ~~never~~ ~~ways~~ ~~zero~~

Multiplication Strategies

A highly abstract, colorful digital artwork featuring a complex grid of blue, red, yellow, and white pixels. The image is framed by a thick black border and contains several small, semi-transparent windows or icons in the top left corner, including a play button, a volume icon, and a search bar.

Divisibility Rules

| Divisor | Divisibility Condition | Example | Divisible by |
|-----------------|--|---------|---|
| 2, 4, 6, or 8). | 38 : 8 is even which is divisible by 2. | 2 | The last digit is even (0, 2, 4, 6, 8). |
| divisible by 3. | $4,053 \Rightarrow 4+0+5+3=12$ and $1+2=3$ | 3 | The sum of the digits is divisible by 3. |
| | $7,372 \div 2 + (2 \times 7) = 16$ | | Add the ones digit to twice the tens digit. |
| | 20,516 : 16 is divisible by 4. | 4 | The last two digits divisible by 4. |
| | | 8 | If the last three digits are divisible by 8, then the entire number is also divisible by 8. |
| | 1,024 : 024 is divisible by 8 so, 1,024 is also divisible by 8. | | |

