**GUÍA DE MATEMÁTICA**

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| NOMBRE: |  |
| CURSO: | 8° Básico | FECHA: | **Semana 20** |
| OBJETIVO: **OA 1.** Mostrar que comprenden la multiplicación y la división de números enteros:•representándolas de manera concreta, pictórica y simbólica•aplicando procedimientos usados en la multiplicación y la división de números naturales•aplicando la regla de los signos de la operación• resolviendo problemas rutinarios y no rutinarios |
| Contenido: Multiplicación y división de números enteros. |
| Objetivo de la semana: Demostrar comprensión de la multiplicación y división de números enteros. Resolviendo problemas, desarrollando guía. |
| Habilidad: Resolver problemas. |

**Instrucciones**

Estimados alumnos y alumnas: En la siguiente guía de trabajo, deberán desarrollar las actividades planeadas para la clase que ha sido suspendida por prevención. Las instrucciones están dadas en cada ítem.

**¡Éxito!**

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| **Resolver problemas** es dar solución a alguna dificultad.**Números enteros** es el conjunto de números conformado por enteros positivos y negativos.**Multiplicación y División de Números Enteros**

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Para multiplicar y dividir números enteros, recuerda utilizar las mismas estrategias que se utilizan para mutiplicar y dividir números naturales. También recuerda respetar las siguientes reglas:

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 **Ejemplo con multiplicación de números enteros:***Si el número no tiene signo, asumimos que es positivo.*26 · (-32) =**Paso 1:** Desarrollamos la multiplicación como si no tuviese signos.

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|  |  | 1 |  |  |  |  |
|  |  | 1 |  |  |  |  |
|  |  | **2** | **6** | **·** | **3** | **2** |
|   | 1 | 5 | 2 |  |  |  |
| + | 7 | 8 | 0 |  |  |  |
|  | 8 | 3 | 2 |  |  |  |

 **El producto de la multiplicación es 832****Paso 2:** Asignamos un signo al resultado de acuerdo a la regla que está más arriba. En este caso, el primer factor es positivo y el segundo es negativo. Por lo tanto el producto es negativo.**+ ·** – **=** –Entonces:26 · (-32) = **(-832)** |
| **Resuelve las siguientes multiplicaciones de números enteros guiándote por los pasos anteriores:** |
| Ejemplo(-246) · (-25) = +6.150

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|  |  | 2 | 3 |  |  |  |  |
|  |  1 | **2** | **4** | **6** | **·** | **2** | **5** |
|  |  1.  | 2 | 3 | 0 |  |  |  |
| + |  4. | 9 | 2 | 0 |  |  |  |
|  |  **6.** | **1** | **5** | **0** |  |  |  |

**– · – = +** |  129 · 27 =

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 | 323 · (-53) =

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| **Ejemplo con división de números enteros:**(-50) : (-4) =**Paso 1:** Desarrollamos la división como si no tuviese signos.

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| 5 | 0 | : | 4 | = | **1** | **2 ,** |  **5** |
| 1 | 0 |  |  |  |  |  |  |
|  | 2 | 0 |  |  |  |  |  |
|  |  | 0// |  |  |  |  |  |

 **El cociente de la división es 12,5****Paso 2:** Asignamos un signo al resultado de acuerdo a la regla que está más arriba. En este caso, tanto el dividendo como el divisor son negativos. Por lo tanto el cociente es positivo.– **:** – **=** +Entonces:(-50) : (-4) = +**12,5** |
| **Resuelve las siguientes divisiones de números enteros guiándote por los pasos anteriores:** |
| Ejemplo

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| 4 | 5 | : | 3 | = | **1** | **5** |
| 1 | 5 |  |  |  |  |  |
|  | 0// |  |  |  |  |  |

45 : (-3) = -15 **– : + = –** | (-86) : (-7) =

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 | (-91) : (-6) =

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| **Responde las asiguientes preguntas relacionadas con lo realizado en la guía:** |
| ¿Qué es un número entero?**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**¿Cómo se deben multiplicar? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**¿Cómo se deben dividir? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **TICKET DE SALIDA** |
| **Resuelve las siguientes multiplicaciones de números enteros**

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**Resuelve las siguientes divisiones de números enteros.**

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| (-93) : (-6) =  |
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