

GUIA DE APRENDIZAJE UNIDAD 2 N° DE GUÍA: 13

RECURSO: TEXTO DE ESTUDIO PÁGINAS: 130, 131, 132 y 133

ASIGNATURA: MATEMÁTICA

NOMBRE ESTUDIANTE: \_\_\_\_\_


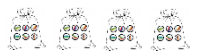



CURSO: Tercero LETRA: A B C FECHA: \_\_\_\_\_

EJE TEMÁTICO: NÚMEROS Y OPERACIONES

**PRIORIZACIÓN CURRICULAR, NIVEL 1: (OA 8):** Demostrar que comprenden las tablas de multiplicar hasta 10 de manera progresiva: usando representaciones concretas y pictóricas; expresando una multiplicación como una adición de sumandos iguales; usando la distributividad como estrategia para construir las tablas hasta el 10; aplicando los resultados de las tablas de multiplicación hasta 10 x 10, sin realizar cálculos; resolviendo problemas que involucren las tablas aprendidas hasta el 10.

**O A de la clase:** Resolver multiplicaciones mediante adición de sumandos iguales y matriz de punto

**INICIO:** Sofía le cuenta sus amigas que tiene 4 bolsas con 6 bolitas en cada una de ellas y que quiere saber cuántas bolitas tiene en total. Fernanda y Renata le plantean dos formas diferentes de resolver. Observa y responde ¿Quién de ellas tiene razón?

|  |   |  |
|--|---|--|
| <p>Fernanda:</p>  <p>Tienes que sumar:</p> $6 + 6 + 6 + 6 = 24$  | <p>Sofía:</p>   | <p>Renata:</p>  <p>Como tienes 4 veces 6 debes multiplicar:</p> $4 \times 6 = 24$ |
|--|---|--|

¿Quién de ellas está en lo correcto? \_\_\_\_\_ ¿Por qué? \_\_\_\_\_

Efectivamente ambas tienen la respuesta correcta, pero llegaron a ella de dos formas diferentes. Fernanda a través de una suma iterada y Renata a través de la multiplicación.

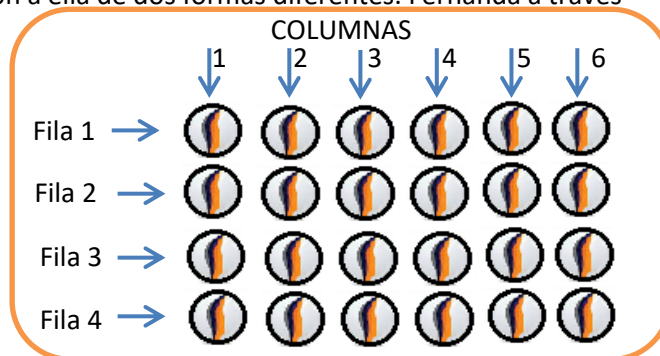
Observa lo que hizo Sofía:

Tomó las bolitas y las ordenó de la siguiente manera:

Formó 4 filas de 6 bolitas cada una y se dio cuenta que

Fernanda y Renata tenían razón.

Al ir sumando  $6 + 6 + 6 + 6$ . Observó que era ir contando de 6 en 6. O sea, 4 veces 6 correspondiente a  $4 \times 6$




Pero al verlas ordenadas también notó que se forma un rectángulo perfecto, a esto se le llama matriz. Las líneas horizontales ( → hacia los lados) se llaman FILAS y las Líneas en dirección vertical ( ↓ hacia abajo) COLUMNAS.  
 LEE CON MUCHA ATENCIÓN LA PÁGINA 130 Y 131 DE TU TEXTO DE ESTUDIO.




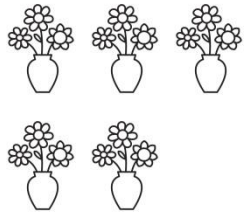
**AHORA ES TU TURNO**

**DESARROLLO:**

1. Para resolver las siguientes situaciones utilizaremos la representación y la adición de sumandos iguales.

| Situación                             | Representación   | Adición de sumandos iguales | Se lee:         | MULTIPLICACIÓN      |
|---------------------------------------|--|-----------------------------|-----------------|---------------------|
| Tres estuches con 7 lápices cada uno. | <br>$3 \times 7 = 21$ | $7 + 7 + 7 = 21$            | 3 veces 7       | $3 \times 7 = 21$   |
| 2 cajas con 5 chocolates cada una.    |  | $\_ + \_ = \_$              | $\_$ veces $\_$ | $\_ \times \_ = \_$ |
| 4 bandejas con 8 dulces cada una      |  | $\_ + \_ + \_ + \_ = \_$    | $\_$ veces $\_$ | $\_ \times \_ = \_$ |
| 3 bolsas con 4 autitos cada una       |  | $\_ + \_ + \_ = \_$         | $\_$ veces $\_$ | $\_ \times \_ = \_$ |

2. Ahora resolveremos utilizando una matriz de puntos, **pinta** sólo los que corresponde:

| Situación                             | Representación   | Matriz de puntos   | Se lee: | MULTIPLICACIÓN |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
|---------------------------------------|--|--|---------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---------------------|
| Tres estuches con 7 lápices cada uno. | <br>$3 \times 7 = 21$ | <table border="1"> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>2</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>3</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>4</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>5</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </table> |         | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | 2 | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | 3 | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | 4 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 5 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 3 filas por 7 columnas<br>Hay 21         | $3 \times 7 = 21$   |
|                                       | 1  | 2  | 3       | 4              | 5 | 6 | 7 | 8 | 9 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| 1                                     | ●  | ●  | ●       | ●              | ● | ● | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| 2                                     | ●  | ●  | ●       | ●              | ● | ● | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| 3                                     | ●  | ●  | ●       | ●              | ● | ● | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| 4                                     | ○  | ○  | ○       | ○              | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| 5                                     | ○  | ○  | ○       | ○              | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| $\_$ floreros con $\_$ cada uno       |                       | <table border="1"> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>2</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>3</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>4</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>5</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </table> |         | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 2 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 3 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 4 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 5 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | $\_$ filas por $\_$ columnas<br>Hay $\_$ | $\_ \times \_ = \_$ |
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| 1                                     | ○  | ○  | ○       | ○              | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| 2                                     | ○  | ○  | ○       | ○              | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
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| 4 bandejas con 7 pasteles cada una    |  | <table border="1"> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>2</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>3</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>4</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>5</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </table> |         | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 2 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 3 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 4 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 5 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | $\_$ filas por $\_$ columnas<br>Hay $\_$ | $\_ \times \_ = \_$ |
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| 1                                     | ○  | ○  | ○       | ○              | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| 2                                     | ○  | ○  | ○       | ○              | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
| 3                                     | ○  | ○  | ○       | ○              | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                     |
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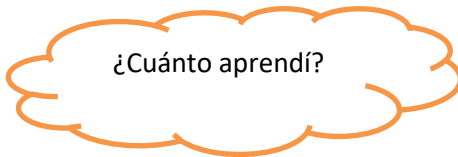
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------------|
| 2 bandejas de huevos con 6 huevos cada una. |   | <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>2</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>3</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>4</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>5</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </table> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 2 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 3 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 4 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 5 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ___ filas por<br>___ columnas<br>Hay ___ | ___ x ___ = ___ |
| 1   | 2 | 3   | 4 | 5 | 6 | 7 | 8 | 9 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                 |
| 1   | ○ | ○   | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                 |
| 2   | ○ | ○   | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                 |
| 3   | ○ | ○   | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                 |
| 4   | ○ | ○   | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                 |
| 5   | ○ | ○   | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |                 |



3. Para **seguir practicando**, resuelve los ejercicios de la página 132 y 133 en tu texto de estudio. Y en tu cuaderno de ejercicios la páginas 56 a 59.



**CIERRE:**



Marca la alternativa que consideres correcta.

1. Rodrigo compró 5 pack de yogures con 4 unidades cada uno. ¿Qué matriz lo representa?

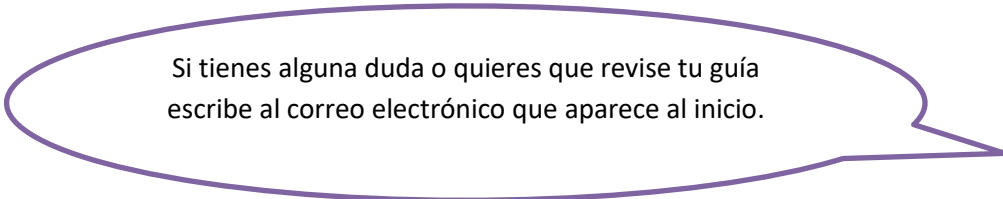
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a) <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>2</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>3</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>4</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>5</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </table> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | 2 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | 3 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | 4 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | 5 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | b) <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>2</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>3</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>4</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>5</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </table> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | ● | ● | ● | ● | ○ | ○ | ○ | ○ | 2 | ● | ● | ● | ● | ○ | ○ | ○ | ○ | 3 | ● | ● | ● | ● | ○ | ○ | ○ | ○ | 4 | ● | ● | ● | ● | ○ | ○ | ○ | ○ | 5 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 3  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 4  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 5  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1  | ● | ● | ● | ● | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2  | ● | ● | ● | ● | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 3  | ● | ● | ● | ● | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 4  | ● | ● | ● | ● | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 5  | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| c) <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>●</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>2</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>3</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>4</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>5</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </table> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | ● | ● | ● | ● | ○ | ○ | ○ | ○ | 2 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | 3 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | 4 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 5 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | d) <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>2</td><td>●</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>3</td><td>●</td><td>●</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>4</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> <tr><td>5</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr> </table> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | 2 | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | 3 | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | 4 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 5 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1  | ● | ● | ● | ● | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 3  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 4  | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 5  | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2  | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 3  | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 4  | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 5  | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

2. Observa la siguiente representación:



¿Qué alternativa muestra a través de **la multiplicación** la forma de encontrar el total de libros?

|                        |  |
|------------------------|--|
| a) $3 + 3 + 3 + 3 + 3$ | b) $3 \times 3 \times 3 \times 3 \times 3$ |
| c) $3 \times 5$        | d) $3 + 5$                                 |



Si tienes alguna duda o quieres que revise tu guía escribe al correo electrónico que aparece al inicio.

