

# PATRONES Y SECUENCIAS



## 1. CREA LA SECUENCIA Y RESPONDE

A. Crea una secuencia que inicie en 37 y cuya regla sea sumar 3.

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

B. Crea una secuencia que inicie en 111 y cuya regla sea restar 7.

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

## 2. ¿CUÁL ES EL PATRÓN DE ESTAS SECUENCIAS

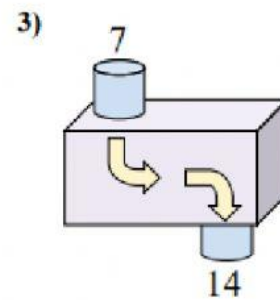
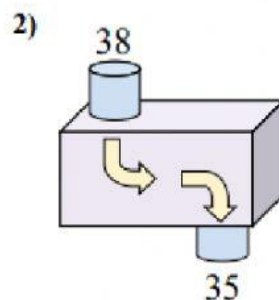
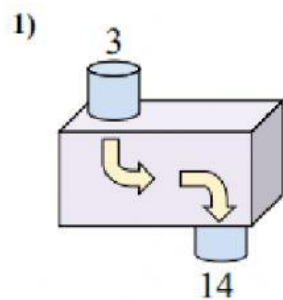
4 - 12 - 20 - 28 - 36

PATRÓN: \_\_\_\_\_

33 - 29 - 25 - 21 - 17

PATRÓN: \_\_\_\_\_

## 3. ESCRIBE LA FUNCIÓN QUE REALIZA CADA MÁQUINA



## 4. DESCUBRE EL PATRÓN PARA COMPLETAR LAS TABLAS

1)

| adentro | afuera |
|---------|--------|
| 15      | 5      |
| 19      | 9      |
| 11      |        |
| 42      | 32     |
| 25      |        |

2)

| adentro | afuera |
|---------|--------|
| 7       | 18     |
| 18      | 29     |
| 29      | 40     |
| 60      |        |
| 103     |        |

3)

| adentro | afuera |
|---------|--------|
| 5       | 1      |
| 8       |        |
| 7       | 3      |
| 10      | 6      |
|         | 20     |

## 5. ESCRIBE LA LETRA DE LA ALTERNATIVA CORRECTA

| <p>1) ¿Qué opción mejor demuestra un patrón con la regla sumar 8?</p> <p>A. 9, 11, 13, 15, 17</p> <p>B. 7, 14, 21, 28, 35</p> <p>C. 8, 16, 24, 32, 40</p> <p>D. 2, 7, 12, 17, 22</p>                                                                                                                       | <p>2) ¿Qué opción mejor demuestra un patrón con la regla restar 6?</p> <p>A. 43, 33, 23, 13, 3</p> <p>B. 26, 20, 14, 8, 2</p> <p>C. 24, 19, 14, 9, 4</p> <p>D. 42, 34, 26, 18, 10</p>                                       |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|----|----|----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|----|----|----|----|----|----|----|----|----|----|
| <p>3) 23, 19, 15, 11, 7</p> <p>A. Restar 4</p> <p>B. Restar 4</p> <p>C. Multiplicar 7</p> <p>D. Restar 5</p>                                                                                                                                                                                               | <p>4) 9, 16, 23, 30, 37, 44, 51, 58</p> <p>A. Restar 8</p> <p>B. Sumar 7</p> <p>C. Restar 4</p> <p>D. Sumar 9</p>                                                                                                           |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| <p>5) ¿Qué opción utiliza la misma regla de suma que el patrón que se muestra?</p> <p>42, 32, 22, 12, 2</p> <p>A. 43, 34, 25, 16, 7</p> <p>B. 45, 35, 25, 15, 5</p> <p>C. 24, 20, 16, 12, 8</p> <p>D. 19, 15, 11, 7, 3</p>                                                                                 | <p>6) ¿Qué opción utiliza la misma regla de resta que el patrón que se muestra?</p> <p>9, 17, 25, 33, 41</p> <p>A. 2, 8, 14, 20, 26</p> <p>B. 4, 12, 20, 28, 36</p> <p>C. 2, 11, 20, 29, 38</p> <p>D. 7, 17, 27, 37, 47</p> |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| <p>7)</p> <table><tr><th>Entrada</th><th>Salida</th></tr><tr><td>21</td><td>10</td></tr><tr><td>24</td><td>13</td></tr><tr><td>35</td><td>24</td></tr><tr><td>47</td><td>36</td></tr><tr><td>54</td><td>43</td></tr></table> <p>A. Sumar 13</p> <p>B. Restar 13</p> <p>C. Restar 11</p> <p>D. Sumar 11</p> | Entrada                                                                                                                                                                                                                     | Salida | 21 | 10 | 24 | 13 | 35 | 24                                                                                                                                                                                                                                            | 47 | 36 | 54 | 43 | <p>8)</p> <table><tr><th>Adentro</th><th>Afuera</th></tr><tr><td>19</td><td>25</td></tr><tr><td>22</td><td>28</td></tr><tr><td>27</td><td>33</td></tr><tr><td>28</td><td>34</td></tr><tr><td>46</td><td>52</td></tr></table> <p>A. Restar 6</p> <p>B. Sumar 3</p> <p>C. Restar 8</p> <p>D. Sumar 6</p> | Adentro | Afuera | 19 | 25 | 22 | 28 | 27 | 33 | 28 | 34 | 46 | 52 |
| Entrada                                                                                                                                                                                                                                                                                                    | Salida                                                                                                                                                                                                                      |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 21                                                                                                                                                                                                                                                                                                         | 10                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 24                                                                                                                                                                                                                                                                                                         | 13                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 35                                                                                                                                                                                                                                                                                                         | 24                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 47                                                                                                                                                                                                                                                                                                         | 36                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 54                                                                                                                                                                                                                                                                                                         | 43                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| Adentro                                                                                                                                                                                                                                                                                                    | Afuera                                                                                                                                                                                                                      |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 19                                                                                                                                                                                                                                                                                                         | 25                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 22                                                                                                                                                                                                                                                                                                         | 28                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 27                                                                                                                                                                                                                                                                                                         | 33                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 28                                                                                                                                                                                                                                                                                                         | 34                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 46                                                                                                                                                                                                                                                                                                         | 52                                                                                                                                                                                                                          |        |    |    |    |    |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| <p>9) Determinar qué números mejor completan el patrón de abajo.</p> <table><tr><td>44</td><td>42</td><td>40</td><td>38</td><td>36</td><td>?</td><td>?</td></tr></table> <p>A. 34, 36</p> <p>B. 34, 32</p> <p>C. 35, 30</p> <p>D. 32, 30</p>                                                               | 44                                                                                                                                                                                                                          | 42     | 40 | 38 | 36 | ?  | ?  | <p>10) Determinar qué números mejor completan el patrón de abajo.</p> <table><tr><td>40</td><td>43</td><td>46</td><td>49</td><td>52</td><td>?</td><td>?</td></tr></table> <p>A. 57, 56</p> <p>B. 55, 58</p> <p>C. 49, 46</p> <p>D. 58, 61</p> | 40 | 43 | 46 | 49 | 52                                                                                                                                                                                                                                                                                                     | ?       | ?      |    |    |    |    |    |    |    |    |    |    |
| 44                                                                                                                                                                                                                                                                                                         | 42                                                                                                                                                                                                                          | 40     | 38 | 36 | ?  | ?  |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |
| 40                                                                                                                                                                                                                                                                                                         | 43                                                                                                                                                                                                                          | 46     | 49 | 52 | ?  | ?  |    |                                                                                                                                                                                                                                               |    |    |    |    |                                                                                                                                                                                                                                                                                                        |         |        |    |    |    |    |    |    |    |    |    |    |