

# SUMA FRACCIONES CON DIFERENTE DENOMINADOR

NOMBRE: \_\_\_\_\_ GRUPO: \_\_\_\_\_

Observa el siguiente video con mucha atención, cuando termines contesta as preguntas.



1. Elige los números primos:

**2    3    5    6    7    9    11    13    15**

2. Une los múltiplos del número

| Múltiplo.<br>del 5. | Múltiplo.<br>del 6. | Múltiplo.<br>del 5. | Múltiplo.<br>del 6. | Múltiplo.<br>del 5. | Múltiplo.<br>del 6. |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|

18

10

12

15

6

5

3. Resuelve las siguientes sumas de fracciones con diferente denominador, no olvides obtener el m.c.m. Observa el primer ejercicio, es un ejemplo:

$$\frac{2}{4} + \frac{5}{3} = \frac{13}{6}$$

$$\frac{6}{12} + \frac{20}{12} = \frac{26}{12} = \frac{13}{6}$$

Handwritten solution showing the addition of  $\frac{2}{4}$  and  $\frac{5}{3}$ . The first step shows the fractions with arrows indicating multiplication by 3 and 4 respectively to get a common denominator of 12. The second step shows the addition of the fractions to get  $\frac{26}{12}$ , which is then simplified to  $\frac{13}{6}$ .

m.c.m

| 4 | 3 | 2 |
|---|---|---|
| 2 | 3 | 2 |
| 1 | 3 | 3 |
|   | 1 |   |

Handwritten prime factorization table for the denominators 4, 3, and 2. The table shows the prime factors of each number and the least common multiple (m.c.m) is 12.

$$2 \times 2 \times 3 = 12$$

$$\frac{5}{8} + \frac{2}{6} = \underline{\hspace{2cm}}$$

Handwritten problem for the student to solve:  $\frac{5}{8} + \frac{2}{6} =$

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Handwritten blank space for the student to write the intermediate steps of the solution.

m.c.m

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

Handwritten blank space for the student to write the prime factorization table for the denominators 8 and 6.

$$\times \times \times =$$

Handwritten blank space for the student to write the final result of the addition.

$$\frac{3}{7} + \frac{2}{3} = \underline{\hspace{2cm}}$$



$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

m.c.m



$$\times =$$

$$\frac{2}{5} + \frac{2}{4} = \underline{\hspace{2cm}}$$



$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

m.c.m



$$\times \quad \times \quad =$$