

# 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. del 5.	Múltiplo. del 6.	Múltiplo. del 5.	Múltiplo. del 6.	Múltiplo. del 5.	Múltiplo. del 6.
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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 factors are listed in columns, and the least common multiple (m.c.m) is indicated by the product of the highest powers of each prime factor.

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

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

Handwritten problem for the student to solve:  $\frac{5}{8} + \frac{2}{6} = \underline{\hspace{2cm}}$ . Arrows point down from the denominators 8 and 6 to the blank line below, indicating where to write the common denominator.

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

Handwritten template for the student to write the sum of the fractions with the common denominator.

m.c.m


Handwritten template for the student to write the prime factorization for finding the least common multiple (m.c.m).

$$\times \times \times =$$

Handwritten template for the student to write the least common multiple (m.c.m) as a product of prime factors.



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



$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

m.c.m



$$\times =$$

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



$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

m.c.m



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