



Escuela municipal  
Los Avellanos  
Temuco

Asignatura: Matemática

Curso: 5° año

Profesora: Irma Ruiz Gallegos

- ) OA 6. Resolver operaciones y combinaciones.
- ) OA 7. Simplificar y amplificar fracciones.

### Ejemplos simplificación y amplificación de fracciones

$$\frac{24}{108} \overset{\div 2}{=} \frac{12}{54} \overset{\div 2}{=} \frac{6}{27} \overset{\div 3}{=} \frac{2}{9}$$

Diagram illustrating the simplification of the fraction  $\frac{24}{108}$  to  $\frac{2}{9}$  through three steps:

- Step 1:  $\frac{24}{108} \div 2 = \frac{12}{54}$
- Step 2:  $\frac{12}{54} \div 2 = \frac{6}{27}$
- Step 3:  $\frac{6}{27} \div 3 = \frac{2}{9}$



$$\frac{1}{3} \overset{\times 2}{=} \frac{2}{6} \overset{\times 2}{=} \frac{4}{12} \overset{\times 2}{=} \frac{8}{24}$$

Diagram illustrating the amplification of the fraction  $\frac{1}{3}$  to  $\frac{8}{24}$  through three steps:

- Step 1:  $\frac{1}{3} \times 2 = \frac{2}{6}$
- Step 2:  $\frac{2}{6} \times 2 = \frac{4}{12}$
- Step 3:  $\frac{4}{12} \times 2 = \frac{8}{24}$

### Ejemplo de operaciones combinadas

$$(25 + 5) : (20 - 17) = 30 : 3 = 10$$

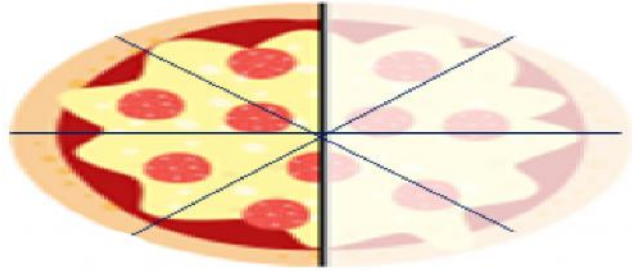
Diagram illustrating the order of operations for the expression  $(25 + 5) : (20 - 17)$ :

- Step 1: Calculate the sum  $25 + 5 = 30$ .
- Step 2: Calculate the difference  $20 - 17 = 3$ .
- Step 3: Perform the division  $30 : 3 = 10$ .

**Retroalimentación**

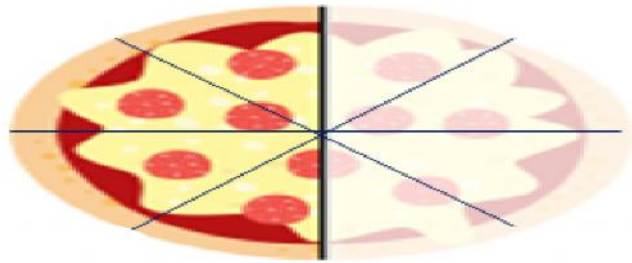
Simplifica la fracción

$$\frac{4}{8}$$



Amplifica la fracción por 2

$$\frac{4}{8}$$



Resuelve el ejercicio de operaciones combinadas

$$5 - 3 \times 2 + 4 - 4 : 2$$

¡Tú puedes!