

DIVISIÓN DE POLINOMIOS

LAS PISADAS QUE DEBES SEGUIR PARA
REALIZAR CORRECTAMENTE UNA DIVISIÓN
ENTRE POLINOMIOS.



1 Ordenar los Polinomios.



2 Dividir los Primeros Términos.



3 Multiplicar por los Términos del Divisor.



4 _____



5 Bajar el siguiente Término del Dividendo.

Continuar el Proceso

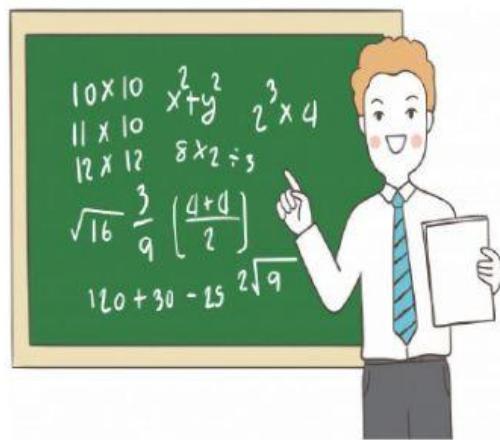
I. Resuelve las siguientes Divisiones entre Polinomios.

Dividir $4x^3 + 2x^2 - 4x + 6$ entre $x - 2$

$$\begin{array}{r} 4x^3 + 2x^2 - 4x + 6 \\ \hline x - 2 \\ \boxed{} \quad \boxed{} \\ \hline \boxed{} \quad \boxed{} \\ \hline \boxed{} \end{array}$$

¡Ánimo! ¡Lo puedes lograr! No olvides seguir las Pisadas.





Dividir $-4a^3 + 8a + 4$ entre $4a - 8$

$$\begin{array}{r} -4a^3 + 0a^2 + 8a + 4 \\ \hline 4a - 8 \end{array}$$

The diagram illustrates the polynomial division $-4a^3 + 8a + 4 \div 4a - 8$ using algebra tiles. The dividend $-4a^3 + 8a + 4$ is represented by three large green squares (representing a^3), eight small green squares (representing a), and four unit squares (representing the constant term). The divisor $4a - 8$ is represented by one large green square (representing a) and two unit squares. The division process is shown as follows:

- One large green square is placed above the first term of the dividend, and one large green square is placed above the first term of the divisor. This step is repeated twice more, resulting in three large green squares above the first three terms of the dividend.
- Four small green squares are placed above the second term of the dividend, and one large green square is placed above the first term of the divisor. This step is repeated once more, resulting in five small green squares above the last term of the dividend.
- Four unit squares are placed above the third term of the dividend, and one large green square is placed above the first term of the divisor. This results in one unit square remaining above the last term of the dividend.