

Monomios (básico)

Ficha 1. Identificar un monomio

1.1 * Marca los que son monomios

- | | | | |
|-----------------|----------------|---------------|------------------|
| $7x^2y^5$ | $3xyz^2$ | $-9x^5$ | $6x^{-2}y$ |
| $3/x^2$ | $-35x^2$ | $3/y$ | 7 |
| x^7 | $3xy^4$ | $20x^0$ | $(1/5)x^3$ |
| $3x^2$ | $3x^0$ | $3x^2$ | y^{-2} |

1.2 * Identifica el grado, coeficiente y parte literal de cada monomio

- | | | | |
|-------------|-------------------|----------------------|--------------|
| 25yz | Coeficiente. | Parte Literal: | Grado: |
| $-15x^2y^5$ | Coeficiente. | Parte Literal: | Grado: |
| 9 | Coeficiente. | Parte Literal: | Grado: |
| $6x^3y$ | Coeficiente. | Parte Literal: | Grado: |
| xyz | Coeficiente. | Parte Literal: | Grado: |
| $-xy^3z$ | Coeficiente. | Parte Literal: | Grado: |

Ficha 2. Monomios semejantes y opuestos

2.1 ** Marca los monomios semejantes a $4xy^2$:

- | | | | |
|-------------|------------|-------------|------------|
| $3x^2y$ | $3y^2x$ | $-8z^{-2}x$ | $4x^{-2}y$ |
| $-4x^{-2}y$ | $4y^{-2}x$ | $4y^2y$ | $-8y^2x$ |
| $8xy^2$ | $-3yx^2$ | $6y^2x$ | $8y^{-2}x$ |
| $4xy^{-2}$ | $4y^2x$ | $6x^2y$ | $-6y^2x$ |

2.2 ** Une los monomios semejantes:

- | | |
|-----------|-----------|
| $-5x^3y$ | $7xy^3$ |
| $2x^2y^2$ | $4yx^2$ |
| $5x^2y$ | $6yx^3$ |
| $5z^3y$ | $4y^2x^2$ |
| $-6y^2x$ | $-3xy^2$ |

Ficha 3. Suma de monomios

3.1 * Resuelve las sumas:

$2x^4 + 3x^4 =$

$5y^9 + 2y^9 =$

$4y^2 + 8y^2 =$

$7z^3 + 3z^3 =$

$5x^5 + 8x^5 =$

$4z^2 + 3z^2 =$

3.2 ** Resuelve las sumas:

$(2/3)x^3 + (1/3)x^3 =$

$(1/6)y^2 + 2y^2 =$

$(4/5)y^4 + (3/5)y^4 =$

$2z^2 + (3/4)z^2 =$

$(2/5)x^2 + (1/2)x^2 =$

$(4/3)z^2 + 3z^2 =$

3.3 ** Resuelve las sumas:

$8yz^5 + 2z^5y =$

$5xy^4 + 2xy^4 =$

$5zx^2 + 2zx^2 =$

$4y^2 + 8y^2 =$

$4y^2 + 8z^2 =$

$4yz^3 + 3z^3y =$

3.4 *** Resuelve las sumas:

$5yx^2 + (3/5)yx^2 =$

$4y^2 + 8y^2 =$

$5zx^5 + (2/3)zx^5 =$

$4yz^4 + 3z^4y =$

$8zy^3 + (3/4)zy^3 =$

$4y^9 + 8z^9 =$

Ficha 4. Resta de monomios

4.1 * Resuelve las restas:

$6x^2 - 4x^2 =$

$7z^8 - 2z^8 =$

$3y^3 - y^3 =$

$8z^3 - z^3 =$

$5y^5 - y^5 =$

$4x^2 - 3x^2 =$

4.2 ** Resuelve las restas:

$xy^5 - 5xy^5 =$

$y^2 - 8y^2 =$

$z^7y - 4z^7y =$

$3z^3x - 5z^3x =$

$2z^4y - 3z^4y =$

$4y^2 - 9y^2 =$

4.3 ** Resuelve las restas:

$5x^2y - yx^2 =$

$xz^2 - z^2x =$

$(4/3)y^5 - (5/3)y^5 =$

$(4/3)xz^2 - (1/3)xz^2 =$

$9y^3z - 8zy^3 =$

$7z^3y - 8yz^3 =$

4.4 *** Resuelve las restas:

$4xz^2 - 3z^2x =$

$(3/4)zy^4 - (5/3)xy^4 =$

$5x^2 - 2z^2 =$

$3x^5 - 5z^5 =$

$3x^2y - 6z^2y =$

$(4/3)y^8 - (2/5)y^8 =$