

Ejercicios de divisiones de fracciones Algebraicas.

$$* \frac{9a}{8b} \div \frac{3a}{4b} = \frac{(9a)(4b)}{(8b)(3a)} = \frac{36ab}{24ab} = \frac{18}{12} = \frac{9}{6} = \frac{3}{2} //$$

$$* \frac{25x^3y^4}{36m^4n} \div \frac{10x^2y^3}{18m^2n} = \frac{(25x^3y^4)(18m^2n)}{(36m^4n)(10x^2y^3)} = \frac{450m^2nx^3y^4}{360m^4nx^2y^3}$$

$$\frac{225xy}{180m^2} = \frac{75xy}{60m^2} = \frac{25xy}{20m^2} = \frac{5xy}{4m^2} //$$

$$* \frac{3x^2y}{2} \div \frac{6x^2}{4} = \frac{(3x^2y)(4)}{(2)(6x^2)} = \frac{12x^2y}{12x^2} = \frac{6y}{6} = \frac{3y}{3} //$$

$$* \frac{3m}{8n^2} \div \frac{9m}{16n^2} = \frac{(3m)(16n^2)}{(8n^2)(9m)} = \frac{48mn^2}{72mn^2} = \frac{24}{36} = \frac{12}{18} = \frac{6}{9} = \frac{2}{3} //$$

$$* \frac{6xy}{5y^2} \div \frac{3x}{10y} = \frac{(6xy)(10y)}{(5y^2)(3x)} = \frac{60xy^2}{15xy^2} = \frac{20}{5} //$$