



Esercizi su M.C.D. e m.c.m. di monomi

Calcolare il Massimo Comune Divisore (M.C.D.) e il minimo comune multiplo (m.c.m.) dei seguenti gruppi di monomi:

1. $4a; 2a^2$
[M.C.D. = $2a$; m.c.m. = $4a^2$]
2. $-5bc; 10b^2$
[M.C.D. = $5b$; m.c.m. = $10b^2c$]
3. $15xy; 20y^2z$
[M.C.D. = $5y$; m.c.m. = $60xy^2z$]
4. $14mn^3; -7m^2n^2$
[M.C.D. = $7mn^2$; m.c.m. = $14m^2n^3$]
5. $-10xy^4; 15z^2$
[M.C.D. = 5 ; m.c.m. = $30xy^4z^2$]
6. $6ab^3c^2; 14a^2bc^4$
[M.C.D. = $2abc^2$; m.c.m. = $42a^2b^3c^4$]
7. $-18ax; 15a^2y$
[M.C.D. = $3a$; m.c.m. = $90a^2xy$]
8. $22ab; -11c^2d$
[M.C.D. = 11 ; m.c.m. = $22abc^2d$]

9. $3x; 2x^2y; -5xz$
[M.C.D. = x ; m.c.m. = $30x^2yz$]
10. $-3ab; 6ab^2; -9ab^2$
[M.C.D. = $3ab$; m.c.m. = $18ab^2$]
11. $6abc^2; 12a^2b; -15bc^4$
[M.C.D. = $3b$; m.c.m. = $60a^2bc^4$]
12. $-7mn^2; -14m^5o; 42no^2$
[M.C.D. = 7 ; m.c.m. = $42m^5n^2o^2$]
13. $30xy; 20x^6y^4; 40x^2y$
[M.C.D. = $10xy$; m.c.m. = $120x^6y^4$]
14. $-13xy; 26y^5; -2x^8$
[M.C.D. = 1 ; m.c.m. = $26x^8y^5$]
15. $36a^4bc^3; -14b^6c; -4abc^9$
[M.C.D. = $2bc$; m.c.m. = $252a^4b^6c^9$]