



## Division en algèbre

1- Effectue les divisions suivantes.

|                                          |                                              |
|------------------------------------------|----------------------------------------------|
| a) $35a \div 7$                          | b) $20z^2 \div 4$                            |
| c) $\frac{12ab + 24a}{4}$                | d) $\frac{10xy + 25x - 5y}{5}$               |
| e) $\frac{48ab + 50a + 6b - 2}{2}$       | f) $(-21ab^2 - 3a + 9b) \div 3$              |
| g) $\frac{-100ab + 10a - 40b + 20}{-10}$ | h) $(-12x^2y + 6xy - 36x) \div (-6)$         |
| i) $(-81a^3b^2 - 9a^3 + 45b^2) \div 9$   | j) $(-8a^3b - 64ab^3 - 40ab - 16) \div (-8)$ |
| k) $\frac{45abc + 15ab - 30b}{15}$       | l) $\frac{60xyz + 48x - 72y - 108z}{12}$     |
| m) $\frac{2ab}{5} \div \frac{1}{4}$      | n) $\frac{5xy}{12} \div 3$                   |
| o) $\frac{-3xy}{4} \div \frac{3}{4}$     | p) $\frac{ab}{3} \div 4$                     |



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|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| a) $35a \div 7$<br>$5a$                                           | b) $20z^2 \div 4$<br>$5z^2$                                              |
| c) $\frac{12ab + 24a}{4}$<br>$3ab + 6a$                           | d) $\frac{10xy + 25x - 5y}{5}$<br>$2xy + 5x - y$                         |
| e) $\frac{48ab + 50a + 6b - 2}{2}$<br>$24ab + 25a + 3b - 1$       | f) $(-21ab^2 - 3a + 9b) \div 3$<br>$-7ab^2 - a + 3b$                     |
| g) $\frac{-100ab + 10a - 40b + 20}{-10}$<br>$10ab - a + 4b - 2$   | h) $(-12x^2y + 6xy - 36x) \div (-6)$<br>$2x^2y - xy + 6x$                |
| i) $(-81a^3b^2 - 9a^3 + 45b^2) \div 9$<br>$-9a^3b^2 - a^3 + 5b^2$ | j) $(-8a^3b - 64ab^3 - 40ab - 16) \div (-8)$<br>$a^3b + 8ab^3 + 5ab + 2$ |
| k) $\frac{45abc + 15ab - 30b}{15}$<br>$3abc + ab - 2b$            | l) $\frac{60xyz + 48x - 72y - 108z}{12}$<br>$5xyz + 4x - 6y - 9z$        |
| m) $\frac{2ab}{5} \div \frac{1}{4}$<br>$\frac{8ab}{5}$            | n) $\frac{5xy}{12} \div 3$<br>$\frac{5xy}{36}$                           |
| o) $\frac{-3xy}{4} \div \frac{3}{4}$<br>$\frac{-12xy}{12} = -xy$  | p) $\frac{ab}{3} \div 4$<br>$\frac{ab}{12}$                              |