

Fiche de trabalho - 8.º ano - Potências - Prop. resol.

$$(1) 2 \times 2^{49} = 2^1 \times 2^{49} = 2^{50}$$

$$(2) \frac{1}{8} = \frac{1}{2^3} = 2^{-3}$$

$$(3) \frac{1}{9} = \frac{1}{3^2} = 3^{-2}$$

$$(4) \frac{(a^4)^3}{a^5} = \frac{a^{12}}{a^5} = a^{12-5} = a^7 \text{ (B)}$$

$$(5) a^{-2} \times a^4 = a^{-2+4} = a^2 \text{ (C)}$$

$$(6) \frac{(-a)^8}{a^3} = \frac{a^8}{a^3} = a^{8-3} = a^5 \text{ (C)}$$

$$(7) m^{-3} = \frac{1}{m^3} = \frac{1}{K} \text{ (C)}$$

$$(8) \left(\frac{1}{9}\right)^4 = \left(\frac{9}{1}\right)^{-4} = 9^{-4} = (3^2)^{-4} = 3^{-8} \text{ , Logo } K = -8$$

$$(9) K^3 \text{ é negativo (B)}$$

$$(10) a^4 \times a^2 = a^6 \text{ (C)}$$

$$(11) \frac{1}{125} = \frac{1}{5^3} = 5^{-3} \text{ (B)}$$

$$(12) \frac{1}{81} = \frac{1}{3^4} = 3^{-4} \text{ (B)}$$

$$(13) \frac{1}{9} = \frac{1}{3^2} = 3^{-2}$$

$$(14) 7^2 \times 7^3 = 7^5$$