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Gr 8 Wiskunde / Mathematics
Eksponente / Exponents (5)
                           Alles gemeng
                           Mixed calculations
                           1. Kyk na tipe bewerking? X
                              What type of calculation? X
- grondballe = / bases =
- exsp + / exp +
                           2. Skryf eerste grondtal<sup>+eksp</sup> heer 2<sup>3</sup>
Write down every first base<sup>exp</sup> ×<sup>4</sup>
                           3. Skryf eksponente by mekaar
                              Write exponents next to each other
                      Ek "skuif" alles eers na "boonste vloer"
                      I always "move" everything to the "top"
                       : tekens verander / signs change
                   Wie is nie "happy" nie?
= \frac{3^2 b^2}{a^2} / \frac{9b^2}{a^2} Which ones aren't "happy"?
                    4 basement
     (3ab^{-2})^2 \times (3a^2b^0)^3
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8.2.5

0

 $(a_m)_{\nu} = a_{m \times \nu}$ $a_m \stackrel{?}{\cdot} a_{\nu} = a_{m - \nu}$ $a_m \times a_{\nu} = a_{m + \nu}$

 $Q_{o} = \frac{Q_{w}}{I}$

 $\sqrt{a_m} = a_{\frac{m}{m}}$

 \bullet a) $2^3 x^4 \times 2^{-1} x^3$

= 23-1 x4+3

b) $3^{+}g^{2}b^{-3}$ $3^{2}g^{+}b^{-5}$

 $0 = 3^{4-2} q^{2-4} b^{-3+5}$

 $= 3^2 (a^{-2})b^2$

 $= \frac{3^{2}g^{2}b^{-4}}{b^{-3}} \times \frac{3^{3}g^{6}b^{6}}{g^{12}b^{3}}$ $= 3^{2+3}g^{2+6-12}b^{-4+6+3-3}$ $= 3^{5}6^{-6}b^{-4}$ No

Not happy?

 $= 2^2 x^7 / 4x^7$