

$$\text{vrij } 10 \quad \log ab = \log a + \log b$$
$$\begin{array}{ccc} & \downarrow & \downarrow \\ & p & q \\ & 10^p & + 10^q \end{array}$$

$$ab = 10^p \times 10^q = 10^{p+q}$$
$$\log ab = p + q. \quad \text{want } \log 10^{p+q} = p + q.$$

$$\log ab = \log a + \log b.$$

$$\log 10^p \times 10^q = \log 10^p + \log 10^q$$

$$V = 0,25\pi r^2 h$$
$$\log V = \log (0,25\pi r^2 h)$$
$$\log V = \log 0,25\pi + 2\log r + \log h$$
$$= -0,105 + 2\log r + \log h$$

$$a = -0,105$$
$$b = 2$$
$$c = 1$$

$$\frac{24^3}{2^{-4}} = 2^{\dots} \times 3^{\dots}$$

$$(2 \cdot 12)^3 = (2 \cdot 2 \cdot 6)^3 = (2 \cdot 2 \cdot 2 \cdot 3)^3 = (2^3 \cdot 3)^3 = 2^9 \cdot 3^3$$

$$\frac{2^9 \cdot 3^3}{2^{-4}} = 2^{13} \cdot 3^3$$

$$\text{mpg } 10 \quad \log ab = \log a + \log b$$

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$$\frac{2^9 \cdot 3^3}{2 \cdot 6} = 2^{15} \cdot 3^2$$