

1. Oppervlakte van een rechthoek: $A = l \cdot b$

$$l = \frac{A}{b}$$

$$b = \frac{A}{l}$$

2. Omtrek van een Cirkel: $O = \pi \cdot d$

$$d = \frac{O}{\pi}$$

$$\pi = \frac{O}{d}$$

3. Oppervlakte cilindermantel: $A = \pi \cdot d \cdot h$

$$d = \frac{A}{\pi \cdot h}$$

$$h = \frac{A}{\pi \cdot d}$$

4. Dichtheid: $\rho = \frac{m}{V}$

$$m = \rho \cdot V$$

$$V = \frac{m}{\rho}$$

5. Druk: $p = \frac{F}{A}$

$$F = p \cdot A$$

$$A = \frac{F}{p}$$

6. Vloeistofdruk: $p = h \cdot \rho \cdot g$

$$h = \frac{p}{\rho \cdot g}$$

$$\rho = \frac{p}{h \cdot g}$$

7. Absolute druk en overdruk: $p_{abs} = p_b + p_{over}$

$$p_{over} = p_{abs} - p_b$$

$$p_b = p_{abs} - p_{over}$$

8. Snelheid: $v = \frac{s}{t}$

$$s = v \cdot t$$

$$v = \frac{s}{t}$$

9. Overbrengingsverhouding: $n_1 \cdot d_1 = n_2 \cdot d_2$

$$d_1 = \frac{n_2 \cdot d_2}{n_1}$$

$$n_2 = \frac{n_1 \cdot d_1}{d_2}$$

$$d_2 = \frac{n_1 \cdot d_1}{n_2}$$

10. Spanning: $U = I \cdot R$

$$I = \frac{U}{R}$$

$$R = \frac{U}{I}$$

11. Vermogen: $P = U \cdot I$

$$U = \frac{P}{I}$$

$$I = \frac{P}{U}$$

12. Temperatuur: $T = t + 273$

$$t = T - 273$$

13. Oppervlakte driehoek: $A = \frac{1}{2} \cdot b \cdot h$

$$b = \frac{A}{\frac{1}{2}h}$$

$$h = \frac{A}{\frac{1}{2}b}$$

14. Omtrek cirkel: $O = 2 \cdot \pi \cdot r$

$$r = \frac{O}{2 \cdot \pi}$$

15. Wet van Pascal: $\frac{F_1}{A_1} = \frac{F_2}{A_2}$

$$F_2 = \frac{F_1 \cdot A_2}{A_1}$$

$$A_1 = \frac{F_1 \cdot A_2}{F_2}$$

$$A_2 = \frac{F_2 \cdot A_1}{F_1}$$

16. Schijnbaar gewicht, opwaartse kracht: $F_s = F_G - F_O$

$$F_G = F_s + F_O$$

$$F_O = F_G - F_s$$

17. Wet van Pascal(2): $A_1 \cdot s_1 = A_2 \cdot s_2$

$$s_1 = \frac{A_2 \cdot s_2}{A_1}$$

$$A_2 = \frac{A_1 \cdot s_1}{s_2}$$

$$s_2 = \frac{A_1 \cdot s_1}{A_2}$$

18. Uitzetting: $\Delta V = V_1 \cdot \gamma \cdot \Delta T$

$$V_1 = \frac{\Delta V}{\Delta T \cdot \gamma}$$

$$\Delta T = \frac{\Delta V}{V_1 \cdot \gamma}$$

19. Snelheid: $v_t = v_0 + a \cdot t$

$$v_0 = v_t - a \cdot t$$

$$a = \frac{v_t - v_0}{t}$$

$$t = \frac{v_t - v_0}{a}$$

20. Algemene gaswet: $\frac{p_1 \cdot V_1}{T_1} = \frac{p_2 \cdot V_2}{T_2}$

$$V_2 = \frac{p_1 \cdot V_1 \cdot T_2}{T_1 \cdot p_2}$$

$$T_2 = \frac{p_2 \cdot V_2 \cdot T_1}{p_1 \cdot V_1}$$