

Exercise 1

Date: _____

a)

i. $\frac{5,3 \text{ trillion liter}}{2,5 \text{ million liter}} = \frac{5\,300\,000 \text{ million}}{2,5 \text{ million}} = \mathbf{2\,120\,000 \text{ swimmingpools}}$

ii. $\frac{287\,458 \text{ kl}}{2,5 \text{ million liters}} = \frac{287\,458 \text{ kl}}{2\,500\,000 \text{ l}} = \frac{287\,458 \text{ kl}}{2\,500 \text{ kl}} = \mathbf{114,9832}$

$\approx \mathbf{114 \text{ swimmingpools (rounded in context)}}$

iii. $1,73 \text{ million } m^3 \div 6m^3 = 0,288\,333 \text{ million trucks}$

$\approx \mathbf{288\,334 \text{ trucks}}$

iv. $\frac{370}{1\,221\,037} \times 100 = \mathbf{0,03\%}$

b) $48\,000\,000 \div 6 = \mathbf{8 \text{ million households}}$

c) $48\,000\,000 \div 1\,221\,037 \text{ km}^2 = 39,31 \approx \mathbf{39 \text{ people/km}^2}$

d) $148 \text{ million km } 207\,000\text{km}$

$$\frac{148\,000\,000}{207\,000} = 714,9 \text{ keer} \approx 714 \text{ Round in context.}$$

e) $148\,000\,000\text{km from the earth minus } 348\,392 \text{ km} = 147\,615\,608 \text{ km}$

f) $\mathbf{three \text{ hundred million meters per second}}$

g) $5,6 \text{ million} - 4,4 \text{ million} = \mathbf{1,2 \text{ million}}$