

CORRECTION DE L'INTERROGATION N° 3 (sujet A)

$$45 \text{ km/h} = \frac{45 \text{ km}}{1 \text{ h}} = \frac{45\,000 \text{ m}}{3\,600 \text{ s}} = 12,5 \text{ m/s}$$

$$72 \text{ km/h} = \frac{72 \text{ km}}{1 \text{ h}} = \frac{72\,000 \text{ m}}{3\,600 \text{ s}} = 20 \text{ m/s}$$

$$9,8 \text{ m/s} = \frac{9,8 \text{ m}}{1 \text{ s}} = \frac{9,8 \times 3\,600 \text{ m}}{3\,600 \text{ s}} = \frac{35,280 \text{ km}}{1 \text{ h}} = 35,280 \text{ km/h}$$

$$1,5 \text{ m/s} = \frac{1,5 \text{ m}}{1 \text{ s}} = \frac{1,5 \times 3\,600 \text{ m}}{3\,600 \text{ s}} = \frac{5\,400 \text{ m}}{3\,600 \text{ s}} = \frac{5,4 \text{ km}}{1 \text{ h}} = 5,4 \text{ km/h}$$

$$125 \text{ g/cm}^3 = \frac{125 \text{ g}}{1 \text{ cm}^3} = \frac{125\,000 \text{ g}}{1\,000 \text{ cm}^3} = \frac{125 \text{ kg}}{1 \text{ dm}^3} = 125 \text{ kg/dm}^3$$

CORRECTION DE L'INTERROGATION N° 3 (sujet B)

$$6 \text{ m/s} = \frac{6 \text{ m}}{1 \text{ s}} = \frac{6 \times 3\,600 \text{ m}}{3\,600 \text{ s}} = \frac{21,6 \text{ km}}{1 \text{ h}} = 21,6 \text{ km/h}$$

$$2,5 \text{ m/s} = \frac{2,5 \text{ m}}{1 \text{ s}} = \frac{2,5 \times 3\,600 \text{ m}}{3\,600 \text{ s}} = \frac{9\,000 \text{ m}}{3\,600 \text{ s}} = \frac{9 \text{ km}}{1 \text{ h}} = 9 \text{ km/h}$$

$$0,15 \text{ g/cm}^3 = \frac{0,15 \text{ g}}{1 \text{ cm}^3} = \frac{150\,000 \text{ g}}{1\,000\,000 \text{ cm}^3} = \frac{150 \text{ kg}}{1 \text{ m}^3} = 150 \text{ kg/m}^3$$

$$26 \text{ km/h} = \frac{26 \text{ km}}{1 \text{ h}} = \frac{26\,000 \text{ m}}{3\,600 \text{ s}} \approx 7,2 \text{ m/s}$$

$$36 \text{ km/h} = \frac{36 \text{ km}}{1 \text{ h}} = \frac{36\,000 \text{ m}}{3\,600 \text{ s}} \approx 10 \text{ m/s}$$