

10/9

→ g ↘

③ $9.3 \text{ kg} = ? \mu\text{g}$
micro

$$9.3 \text{ kg} \times \frac{1000 \text{ g}}{1 \text{ kg}} \times \frac{1,000,000 \mu\text{g}}{1 \text{ g}} = \boxed{9.3 \times 10^9 \mu\text{g}}$$

④ $1 \text{ ml} = 1 \text{ cm}^3$ (ml → cm³) $\left(\frac{1 \text{ dm}}{10 \text{ cm}}\right)^3 \rightarrow \frac{1 \text{ dm}^3}{1000 \text{ cm}^3}$ or $\frac{1000 \text{ cm}^3}{1 \text{ dm}^3}$
4.0 L ? dm³

$$4.0 \text{ L} \times \frac{1000 \text{ ml}}{1 \text{ L}} \times \frac{1 \text{ cm}^3}{1 \text{ ml}} \times \frac{1 \text{ dm}^3}{1000 \text{ cm}^3} = \boxed{4.0 \text{ dm}^3}$$

① $\frac{95 \text{ km}}{\text{hr}} = \frac{\text{m}}{\text{Sec}}$
min

$$\frac{95 \text{ km}}{\text{hr}} \times \frac{1000 \text{ (m)}}{1 \text{ km}} \times \frac{1 \text{ hr}}{60 \text{ min}} \times \frac{1 \text{ min}}{60 \text{ (Sec)}} = \boxed{\frac{26 \text{ m}}{\text{Sec}}}$$

Unit 1 Review

- 1) $\frac{2}{4}$
 2) $\frac{4}{4}$
 3) $\frac{4}{4}$
 4) $\frac{3}{3}$

- 5) $\frac{3}{4}$
 6) $\frac{4}{4}$
 7) $\frac{4}{4}$
 8) $\frac{3}{3}$

- 1) 3.25×10^2
 2) 3.04×10^{-3}
 3) 99×10^5
 4) 5.63×10^{-1}

- 5) 9.328×10^2
 6) 7.42×10^4
 7) 4.628×10^1
 8) 8.2×10^{-6}

leading
 0.000850
 SF
 850
 SF

- 1) 483
 2) 0.05224
 3) 9610.0
 4) 0.0072

- 5) 5.9
 6) 2004000
 7) 6580
 8) 0.000300

- 1) 1.55×10^5
 2) 3.15×10^{-1}
 3) ~~2.7×10^1~~ 4.2×10^3

- 1) $1m = 100cm$
 2) $1kg = 1000g$
 3) $1000ml = 1L$
 4) $1g = 10dg$

1) $\left| \frac{1.24g - 1.30g}{1.30g} \right| \times 100 = 4.62\% \text{ error}$

2) $\left| \frac{252ml - 225ml}{225ml} \right| \times 100 = 12.0\% \text{ error}$

Precise = Student 2

3) $\left| \frac{22.2L - 22.4L}{22.4L} \right| \times 100 = 0.893\% \text{ error}$

Accurate = Student 1

CONVERSIONS

1. $26 \frac{m}{sec}$
 2. $1.44 \times 10^4 \text{ sec}$
 3. $9.3 \times 10^3 \mu g$
 4. 4.0 dm^3

5. $1.008 \times 10^3 \text{ min}$
 6. $4.05g$
 7. 19.39 ml
 8. $7.1 \times 10^2 \text{ ml}$ or 0.071 ml

4) $\left| \frac{125.2mg - 124.8mg}{124.8mg} \right| \times 100 = 0.3205\% \text{ error}$

36. C = hundredths
 E = thousandths
 M = 0.225ml
 37. tenths
 * hundreds
 4.80cm
 38. ones
 tenths
 -1.2°C

6) $\frac{0.25g}{3.5 \text{ time}} =$

Mole Day 10/13 from 6:02 am - 6:02 pm

Stuffed mole - needs a theme



All mole

Scavenger Hunt

Cook / Fix a mole day treat!

Song / Poem

Video - 5/10 min on DVD

T-shirt - must be worn all 4 blocks - initialled by teachers.

Mole icosehedron

Other ideas?

Get idea approved by Tues 10/13.

NaCl

Roman# = valence e⁻

IA	IIA	IIIA	IIIA	IVA	VIA	VIA	VIA	VIIIA
1+	2+	3+	4+	4-	3-	2-	1-	☺

