

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Units of Measurement More Practice SNC2P

### Part 1: Matching

1. Match the physical quantity to the unit used to measure it:

- |                        |                        |
|------------------------|------------------------|
| _____ distance         | A. Ampere (A)          |
| _____ electric current | B. degree Celsius (°C) |
| _____ mass             | C. kilogram (kg)       |
| _____ temperature      | D. metre (m)           |
| _____ time             | E. second (s)          |

2. Match the metric prefix to its factor of 10:

- |             |                  |
|-------------|------------------|
| _____ c     | A. 1 000 000 000 |
| _____ G     | B. 1 000 000     |
| _____ k     | C. 1 000         |
| _____ M     | D. 0.01          |
| _____ m     | E. 0.001         |
| _____ $\mu$ | F. 0.000 001     |
| _____ n     | G. 0.000 000 001 |

### Part 2: Multiple Choice

1. 14 cm = \_\_\_\_\_ m
- A. 0.014                      B. 0.14                      C. 140                      D. 1400
2. 1.5 kg = \_\_\_\_\_ g
- A. 0.0015                      B. 0.015                      C. 150                      D. 1500

3. 0.05 km = \_\_\_\_\_ m  
 A. 0.00005      B. 5      C. 50      D. 5000
4. 2.4 m = \_\_\_\_\_ cm  
 A. 0.024      B. 0.24      C. 24      D. 240
5. 0.13 mg = \_\_\_\_\_ g  
 A. 0.00013      B. 0.013      C. 130      D. 1300

Part 3: Conversion Factors

1. Given 1 in = 2.54 cm,  
 (a) convert 12 in to cm:

$$12 \text{ in} \times (\text{—————}) =$$

- (b) convert 100 cm to in:

$$100 \text{ cm} \times (\text{—————}) =$$

2. Given 1 kg = 2.2 lb,  
 (a) convert 160 lb to kg:

$$160 \text{ lb} \times (\text{—————}) =$$

- (b) convert 5 kg to lb:

$$5 \text{ kg} \times (\text{—————}) =$$