

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

Grade: \_\_\_\_\_

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

## Physics

1) Convert the following measurements to the units shown.

- ❖ 52 km/h to m/s: .....
- ❖ 741.3 g to kg: .....
- ❖ 3.2 h to min: .....

2) What is the measurement of the ring. Include precision.

1.32 g

(1.32+- 0.2) g

(1.32+- 0.005) g



3) Omar, Ahmad and Hamad measure the length of a box and each of them records the measurements:

Omar	21.46 cm	21.47 cm	21.48 cm
Ahmad	21.51 cm	21.51 cm	21.52 cm
Hamad	21.40 cm	21.53 cm	21.44 cm

If the length of the box equal (21.47 cm), answer the following:

a. Whose measurements are imprecise and inaccurate?

Omar                    Ahmad                    Hamad

b. Whose measurements are precise and inaccurate?

Omar                    Ahmad                    Hamad

c. Whose measurements are precise and accurate?

Omar                    Ahmad                    Hamad

4) A derived unit is,

cm                    mm                    m/s

5) Find the answer according to significant figures.

a.  $64 \text{ cm} + 31.1 \text{ cm} + 0.03 \text{ cm} = 95.13 \text{ cm}$                     100 cm                    95 cm

b.  $67 \text{ m} / 7.0 \text{ s} = 9.57 \text{ m/s}$                     9.5 m/s                    9.6 m/s