

Units and Significant Figures 1

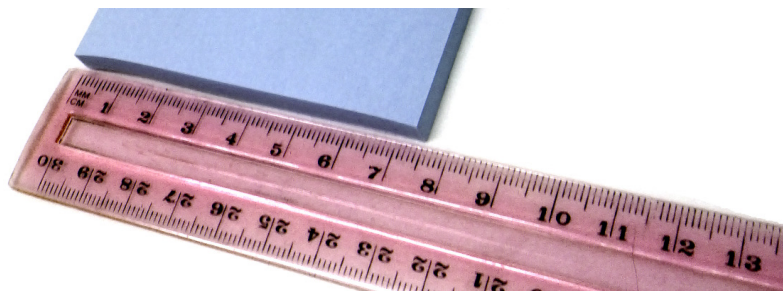
1. The following statements are meaningless without units. Rewrite the quantity and suggest units.
Example Question: "They walked for 6", Possible Answers: 6 km, 6 minutes, 6 hours

- (a) An elephant is about 4000 /1
- (b) It is a 10 drive to the city /1
- (c) A skydiver experiences 2 of free fall /1

2. Write one statement which is meaningless without units.
 Give this to someone else in the class to rewrite with suggested units. /2

3. Explain whether a kitchen scales or bathroom scales is likely to be more precise. /2

4. Consider the measurement being made below:



State why it would not be appropriate to record this measurement as "7.452 cm". /1

5. Correct the mistake in the table of results below:

Mass (kg)	Force (N)
1	9.8
2	19.6
3	29.4
4	39.2
5	49

/1

6. Use a ruler or measuring tape to measure four lengths in the room.

Examples: Height of the desk, Width of a pencil case.

Record the results in a table.

Description of measurement	Length (cm)

/2