PRACTICE TEST ON MEASUREMENTS

Name: _____ Date:_____

Part 1. Complete the table of quantities below with correct SI Units and symbol.

	Quantities	SI unit	Symbol of Unit
1	Mass		
2	Density		
3	Momentum		
4	Speed		
5	Acceleration		

Part 2. Write the alternative unit of the following quantities to complete the table below.

	Quantities	SI unit	Alternative SI unit
1	Power	Watts	
2	Pressure	Pascal	
3	Force	Newton	

Part 3. Branches of Physics.

	1	It deals with aircraft design and operations.
	2	It concerns on properties of electric current and magnetism.
	3	It studies relationship between heat energy and other forms of energy.
	4	It studies light.
	5	It studies motion without regard on its cause.

Part 4. Calculations. Write the answer on the box provided

1. A man needs 767cm length of rope. What is its measurement in meter?

2. John is 6 feet 4 inches tall. What is his height in inches?

3. A bag of sugar is 8.67 lbs. What is the mass in kilogram?

Part 5. Classify the following quantities into vector and scalar.

Write upper case S for scalar and upper case V for vector.

	1. velocity		3. acceleration		5. pressure
	2. density		4. speed		6. momentum

Part 6. Formula Transformation.

1. The formula for distance is d = s t. Which of the following formula you will use to solve for time?

$t = \frac{d}{s}$	$t = \frac{s}{d}$	$t = s\,d$
A	B	C

Answer

2. Using the formula Force = mass x acceleration, calculate the value of mass.

$m = \frac{a}{m}$	$m = \frac{F}{a}$	$m = F\,a$
A	B	C

Answer

Part 7. Understanding graph.

1. You are going to plot a distance vs. time graph. What will you write on the y-axis?

2. When plotting Force against distance, what will you write on the x-axis?

LIVEWORKSHEETS