SMK SERI SERDANG

TAMAN SERI SERDANG, 43300 SERI KEMBANGAN, SELANGOR

STPM PHYSICS 960/1

1. Fill in the blank

NAME	FACTOR	SYMBOL
tera		
giga		
mega		
kilo		
desi		
centi		
milli		
micro		
nano		
pico		

2. Write 2×10^{-7} in a suitable prefix.

3. 7854 kg m^{-3} change into g cm^{-3}.

4. List the 5 base quantity

   a)……..

   b)……..

   c)……..

   d) …….

   e)……..

5. The displacement of an object, which is a ……, is the distance moved in a specific ……..

6. List the equation of motion under constant acceleration

   a)……

   b)……

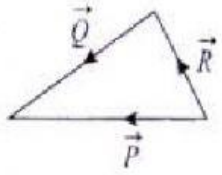
   c) ……..

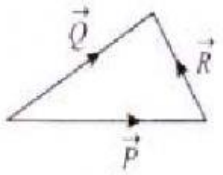
   d) ……..

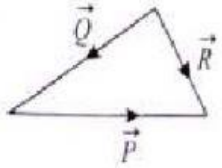
7. The gradient of a displacement-time graph is equal to …….

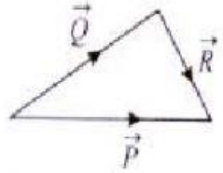
8. The gradient of a velocity-time graph is equal to ……

9. Which vector diagram shows $\vec{P} = \vec{Q} - \vec{R}$?

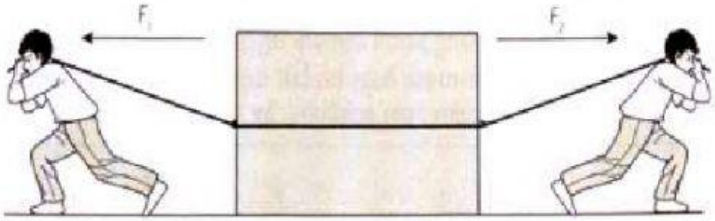
A 

B 

C 

D 

10. Diagram shows two boys pulling a large box. After some time, the box still remains stationary.



Based on the situation shown, answer the following question.

a) State the similarities or differences between the magnitude and direction of the force F_1 and F_2.

i) Magnitudes : .....

ii) Direction : .....

b) What is the net force in both situation?

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