

# PHYSICAL SCIENCES P.1

## MEMO-2024



basic education

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REPUBLIC OF SOUTH AFRICA

G.12

NATIONAL  
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1 times by adding different masses to increase the hanging mass each time.  
the effects of air friction.



data obtained were used to draw the sketch graph below.



length. The spring then falls to the ground.  
Trolley A moves to the left, while trolley B moves to the right and then up a frictionless inclined plane, rising to a maximum vertical height of 1,5 m, as shown in the diagram below.



- 6.1 Write down the principle of conservation of mechanical energy in words. (2)
- 6.2 Calculate the speed of trolley B at the bottom of the inclined plane. (4)
- 6.3 For the hypothesis that the spring takes no time to return to its natural length.

(4 new pages.)

1 applied at an angle of  $30^\circ$  to the horizontal  
ly at rest, as shown in the diagram below.

on of 10 N acts on the crate as it moves from rest at point A ab  
point B. The distance between point A and point B is 1,5  
at point B is  $2 \text{ m s}^{-1}$ .



is work done by a force.

of free-body diagram showing ALL the forces acting on the crate.

IF PRINCIPLES ONLY, calculate the magnitude of force F.

# Mpumalanga Physical Sciences Grade paper 2 2013

## Memo

**SB Merriam**



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## Whispering the Techniques of Language: An Psychological Quest through **Mpumalanga Physical Sciences Gradepaper2 2013 Memo**

In a digitally-driven earth wherever monitors reign supreme and instant interaction drowns out the subtleties of language, the profound techniques and mental subtleties hidden within words frequently move unheard. However, situated within the pages of **Mpumalanga Physical Sciences Gradepaper2 2013 Memo** a interesting fictional treasure pulsing with natural feelings, lies an exceptional quest waiting to be undertaken. Published by a talented wordsmith, this enchanting opus invites readers on an introspective journey, lightly unraveling the veiled truths and profound influence resonating within ab muscles cloth of each and every word. Within the psychological depths of the touching evaluation, we can embark upon a genuine exploration of the book is primary themes, dissect its interesting writing style, and yield to the effective resonance it evokes strong within the recesses of readers hearts.

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