

SHORT ANSWER TEST ITEMS

1. Harriet has a mass of 65kg, she stands on a cemented floor and the area of contact of her shoes on the floor is 0.035m^2 . Determine how many newtons each unit square in contact with Harriet's shoes supports.

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2. Mutebi is a business man, currently he is in china loading a box in a container with labels 90kg, 45Nm^{-2} . He wants to call home to secure a table where the box will be placed for the contents in the container to be safe. He has just sent the picture on whats App to the family members. The members are confused. Help them determine the minimum size the table should be.

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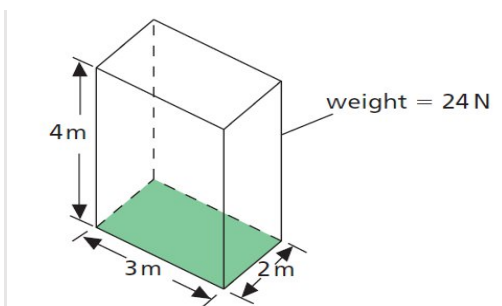
3. Mariam's tablet has a mass of 150g and exerts a pressure of 50Nm^{-2} on her reading table. How many tablets of the same type can be placed of her reading table whose dimensions are 1000mm by 100cm.

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4. The box in the Figure 106.3a below weighs 24N.



- a) In how many ways can the box above be placed on any support.

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- b) In each case determine the pressure it exerts on the support.

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- c) Compare the pressures in all the cases and make a conclusion.

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For a full version contact the compiler.

It contains:-

- ✓ A Summary of all the concepts a learner needs to achieve all the competencies in a particular topic all presented in CBC line.
- ✓ Highlighted fields where a learners needs to put more focus while making research.
- ✓ Practical activities.
- ✓ Sample projects.
- ✓ Carefully graded Short answer test items.

Form one workbooks are also available written in the same line by the same compiler.