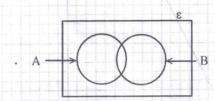
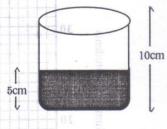
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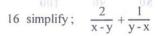
## GCE O/L December 2004 Mathematics Paper 1 Duration 1 Hour

- 1. The price of a certain book is Rs 32. If a Rs 50 note is tendered to the trader after buying that book, what will be the balance received?
- 2. Express 2.5 kilometres in metres.. The price of a pencil is 4.5. What is the price of 6 such pencil?.
- 4. Write an equivalent fraction of  $\frac{1}{3}$
- 5. If x + 2 = 5 find the value of x
- 6. If the price of one kilogramme of suger is Rs 38, what is the price of 500 grammes of suger?
- 7. Find the value of x in the given diagram. 8. What is the mode of the following scores ?3, 4, 4, 6, 7, 8
- 9. The capacity of the vessel shown in the diagram is 1 litre. According to the given information what is the volume of the volume of the liquid in the vessel?
- 10 Shade the region which indicates the set A ∩ B in the given venn diagram

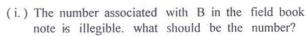




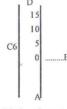
- 11 What fraction of the whole diagram is the part shaded?
- 12. factorize; 2a a2
- 13 A man invests Rs 30 000 to buy Rs 10 shares of a company at Rs 12, which pays an annual dividend of 8%
  - i How many shares will he be able to buy?.
  - ii Find the nominal value of these shares..
- 14. According to the information given in the diagram; find the value of x
- 15 If  $\lg x \lg 2 = \lg 3 + \lg 5$ , find the value of x, without using logarithmic tables.



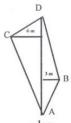
17. A note from a field book of a surveyor and the relevant plan are shown here, some measurements are not shown in the plan.

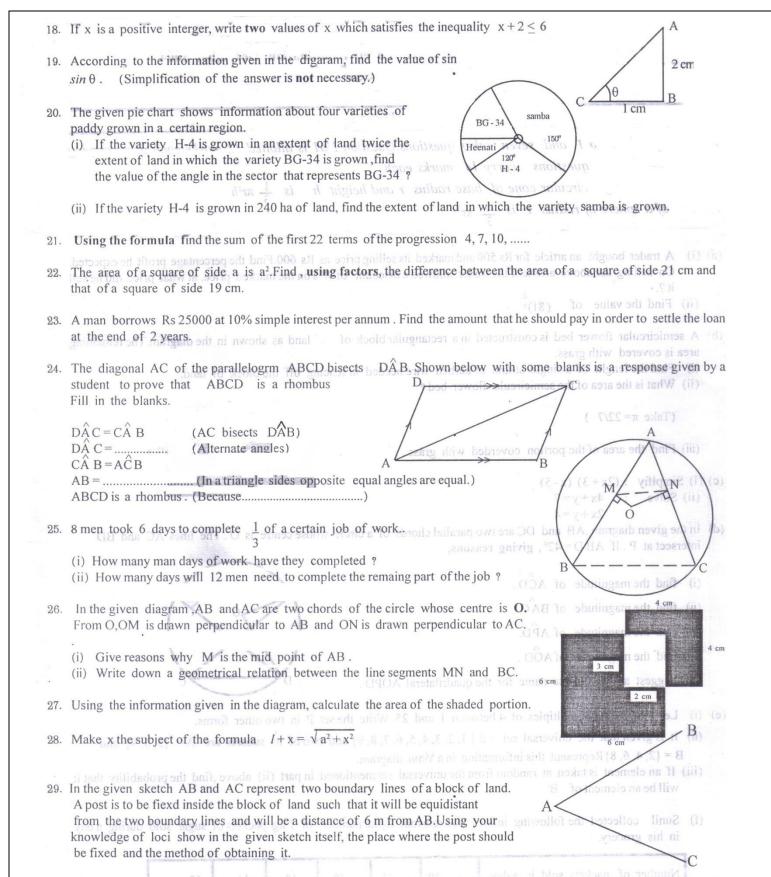


(ii) What is the distance in metres, the straight line AD in the plan represents?









30. The ratio of the number of students in two groups A and B is 2:1.when a student from group A jons group B, the ratio will be 3:2 what is the total number of students in the two groups?