

Term II Examinations- 2019

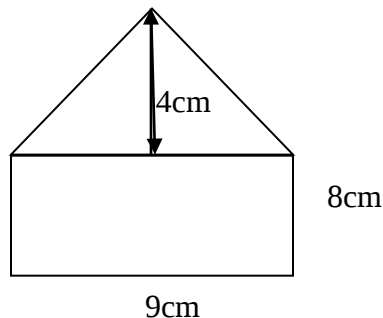
S.1 MATHEMATICS

TIME: 2 ½ HOURS

INSTRUCTIONS:

Attempt all the questions

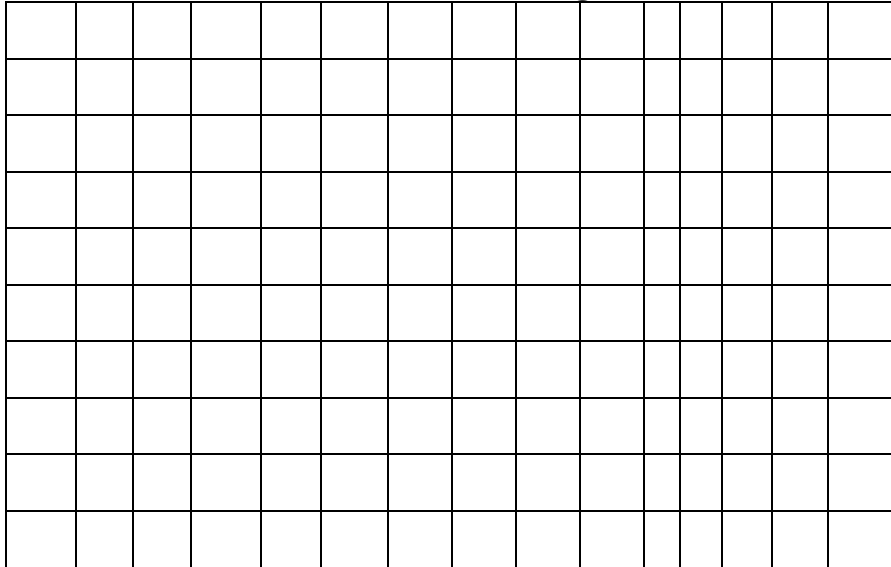
1. Write down the next two numbers in the sequence
a) 4,5,8,17,44,..... ,
b) 1,2,5,10,17,..... ,.....
2. By selling an article for sh 400,000 a trader made a loss of 35%. How much did he pay for it?
3. Abiliga is twice as old as his sister. If their total age is 15 ,find how old is each.
4. Find the area of the figure below



5. work out $4\frac{1}{5} - 3\frac{3}{8}$

6. plot the following points; (-3,3) (2,3) (0,0)

Name the figure formed
Find the area of the figure formed



9. Find the gradients of the line passing through the following points (4,-12) and (3,-9)

10. Find the gradient of the line L which is perpendicular to the line M with gradient $-\frac{1}{3}$

11. Using a pencil, a ruler and a pair of compasses only, construct a triangle ABC in which AB= 9.2cm, angle CAB =45 and angle ABC = 75

- Measure the length of BC
- Draw a circumscribing circle through the points A, B and C,
- Measure the radius of the circle

-----GOOD LUCK-----