

**EXTERNAL PAPER  
BOT TERM II EXAMS**

**S.1 MATHEMATICS**

**TIME: 1 HOUR**

**INSTRUCTIONS**

- *Attempt all questions*

1. Write down the next two numbers.

(a) 4, 5, 8, 17, 44,.....

(b) 1, 2, 5, 10, 17,.....

2. Round off

(a) 0.6586 to the nearest hundredths.

(b) 564.62 to the nearest tens.

3. Find;

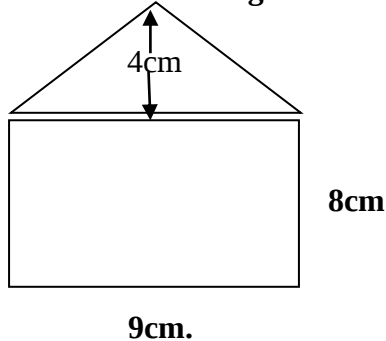
(a) HCF of 42, 48.

(b) The LCM of 14, 75, 77.

4. (a) Convert  $1206_8$  to base 10.

(b) Find the base n.  $46_n = 54_{\text{six}}$ .

5. Find the area of the figure.



6. Work out

(a)  $4\frac{1}{5} + 3\frac{3}{8}$

(b)  $4\frac{1}{8} \div 1\frac{2}{3}$

7. Work out the ascending order.  $\frac{1}{2}, \frac{1}{5}, \frac{1}{4}, \frac{1}{3}$ .

8. In a class of 50 girls, 26 girls preferred skirts, while 31 prefer blue skirts. If each of them prefer at least one of the two colours. Find the number of girls who;

- (a) prefer both colours
- (b) prefer red colour only.
- (c) prefer blue colour only.

9. Draw the points A,B and C which are three corners of a square where (A (-4, -2), B (2, -2), C(2, 4). What is the coordinates of the fourth corner D.

10. Using the coordinates given, draw the lines;

- L with coordinates (-4,0) (0,2) (8, 6)
- M with coordinates (6,0), (2,8) (0, 12).

State the coordinates of intersection.

END