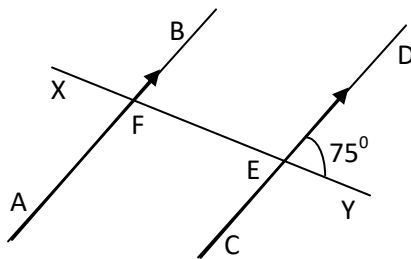


**MATHS ASSIGNMENT –F1
MAY 2020**

1. Express the numbers below in standard form;
 - a) 0.0289. (1 mark)
 - b) 427.9. (1 mark)
2. Three children shared some money. Mary got 0.7 of the money Lupita got 0.4 of the remainder. Peter received the rest which was Sh.4050. How much did Lupita get? (3 marks)
3. Express $0.\dot{4}05\dot{9}$ as a fraction in its lowest form. (3 marks)
4. A school bought forty text books at a cost of sh. 9500. Some books cost sh. 200 each while others cost sh. 300 each. Find the number of text books bought at sh. 300 each. (3marks)
5. Write the following numbers in words ; (3 marks)
 - a) 64920035.
 - b) 0.0034.
 - c) $\frac{7}{15}$
6. Figure below line AB being parallel to line CD. Line XY is a transversal to line AB and CD and angle DEY = 75° . Calculate the size of angle AFE. (2 marks)



7. The total cost of covering a room with square tiles is Sh.60000. If the labour cost is Sh.15000 and the room has 50 rows of 20 tiles each, find;
 - a) the actual cost of the tiles. (2 marks)
 - b) the cost of one tile. (2 marks)
8. Evaluate: $\frac{(23+16 \div 4) \times 26 - 22}{28 \div 7 \times 2 + (16 - 8 \div 2)}$. (4 marks)
9. Traffic lights at three different junctions show green light at intervals of 10 seconds, 12 seconds and 15 second. They all show green at 1.00p.m. At what time in the 24hour clock system will they all again show green together? (4 marks)
10. Evaluate; $\frac{1}{3}$ of $\left(2\frac{3}{4} - 5\frac{1}{2}\right) \times 3\frac{6}{7} \div \frac{9}{4}$. (3 marks)
11. A foreign government donated Sh.67.9 billion while the Kenya Government contributed Sh.200 million towards a project. Of the total amount Sh.10.8million was used to pay experts, Sh.670000 for the purchase of stationery and Sh.12.8 million for the acquisition of machinery. How much money remained? (3 marks)
12. Show that 900603 is divisible by both 3 and 11. (2 marks)
13. the perimeter of a square whose area is 1.88225cm^2 . (3 marks)
14. Round-off the following numbers to the accuracy given in brackets.
 - a) 0.04518 (1 d.p) (1 mark)
 - b) 5.9635 (Thousandths) (1 mark)
15. The volume of an open rectangular tank is 24.3m^3 . The tank has a square base and its height is 2.7m. What is the Surface area of the tank in square metres? (3 marks)