

MATHEMATICS HOLIDAY ASSIGNMENT FOR SS2

1. What is a logical statement?
 - b. Differentiate between simple and compound statements.
2. Solve the following inequalities and show the solution set in number line
 - i. $4x - 1 \leq 7$
3. In a circle, the angle subtended by a chord at the circumference is 32° . If the radius of the circle is 12cm, calculate the length of the chord
4. The angle of elevation of the top of a tree from a point on the ground 60m away from the foot of the tree is 78° . Find the height of the tree.
5. A triangle has two sides as 16cm and 4cm, respectively. If the included angle is 120° , calculate the third angle.