YEAR 10 MATHEMATICS MODULE 2

- 1. Make f the subject of the relation v = u + ft.
- 2. A regular polygon has 9 sides. What is the size of one of its exterior polygon?
- 3. A cooperative society charges an interest of $5\frac{1}{2}$ % per annum on any amount borrowed by its members. If a member borrows N 125,000, how much does he pay back after one year?
- 4. Simplify $7\frac{1}{2} \left(2\frac{1}{2} + 3\right) + 16\frac{1}{2}$, and correct your answer to the nearest whole number.
- 5. If $\log_q^p = r$, express p in terms of q and r.
- 6. If $\frac{x}{a+1} + \frac{y}{b} = 1$. Make y the subject of the relation.
- 7. Simplify $\frac{5}{\sqrt{3}} \frac{3}{\sqrt{2}}$
- 8. A school girl spends $\frac{1}{4}$ of her pocket money on books and $\frac{1}{3}$ on dress. What fraction remains?
- 9. Expand (2x 3y)(x 5y).
- 10. The lengths of the adjacent sides of a right-angled triangle are x cm, (x-1) cm. If the length of the hypotenuse is $\sqrt{13}cm$, find the value of x.