1. Evaluate:
   a. \(5 \times 6 + (-76) ÷ 4 + 27 ÷ 3\)  
   b. \((-15) ÷ 3 \times (-4)\)  

2. Express the first quantity as a fraction of the second to the simplest form
   a. 100g, 600g  
   b. 50kg, 15tonnes  

3. Simplify the algebraic expression given by:
   \(-2\{-x - 2a - (a - x)\}\)  

4. A number \(n\) is such that when it is divided by 27, 30 or 45 the remainder is always 3. Find:
   a. L.C.M of 30, 27 and 45  
   b. Find the value of \(n\)
5. Convert the following decimals into fractions leaving your answer in standard form i.e. \((A \times 10^n)\)
   a. \(0.1\bar{3}\) \((=2\text{MKS})\)
   b. \(3.\bar{2}\bar{4}\) \((=2\text{MKS})\)

6. By the use of mathematical tables, workout the following expressions leaving your answer in standard form i.e. \((A \times 10^n)\)
   a. \(5.75^2\) \((=2\text{MKS})\)
   b. \(0.00015^2\) \((=2\text{MKS})\)
   c. \(\sqrt{121.81}\) \((=2\text{MKS})\)
   d. \(\sqrt{0.0012181}\) \((=2\text{MKS})\)

7. A photograph is reduced in the ratio 3:5 for a newspaper and further reduced in the ratio 4:5 for a textbook. Find the ratio of the newspaper size to the textbook size \((=3\text{MKS})\)

8. The LCM of three numbers is 6732 and their GCD is 4. Two of these numbers are 36 and 68; find the other number \((=3\text{MKS})\)

9. Ole Mandondo made a trip from Gatitu to Machakos a distance of 60000M. He later boarded a train from Machakos to Mombasa 450KM away. Find the ratio of the distance from Machakos to Mombasa to that of Gatitu to Machakos. \((=2\text{MKS})\)