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Term 2 121 A - Mathematics

	ADM	. NAME	. CLASS	33mks
1.	Evaluate:			

a.
$$5 \times 6 + (-76) \div 4 + 27 \div 3$$

$$5 \times 6 + (-76) \div 4 + 27 \div 3$$
 (=2MKS)

19-Jun-16

Weekly Ambush

b.
$$(-15) \div 3 \times (-4)$$
 (=2MKS)

2. Express the first quantity as a fraction of the second to the simplest form

3. Simplify the algebraic expression given by:

$$-2\{-x-2a-(a-x)\}$$
 (=3MKS)

- 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 (=2MKS)

b. Find the value of
$$\vec{n}$$
 (=1MK)

5. Convert the following decimals into fractions leaving your answer in standard form i.e. $(A \times 10^n)$

a. 0.13

(=2MKS)

b. 3.24

(=2MKS)

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

(=2MKS)

c. $\sqrt{121.81}$

(=2MKS)

b. 0.00015^2 (=2MKS)

d. $\sqrt{0.0012181}$

(=2MKS)

- 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 (=3MKS)
- 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(=3MKS)
- 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. (=2MKS)