

FUNTAJ INTERNATIONAL SCHOOL ABUJA

Holiday Assignment

Subject: General Mathematics

Class: Year 8

- 1) A used car costs N760, 000. A 9% discount is given for payment in cash. The car can also be bought by paying 24 monthly instalments of N36, 400.

Find the cost of the car

- (i) When cash is paid.
- (ii) When it is paid for in instalments.
- (iii) Find the difference between paying in cash and paying in instalments.

- 2) A. Simplify: (i) $(-5) \times \frac{3}{5}$
(ii) $(+18) \div (-6)$
(iii) $-\frac{100}{25}$
(iv) $(-8) \div (-4)$
(v) $(-3 \frac{1}{2}) \times (+\frac{2}{5})$

B. Express as products of prime factors in index form : (i) 800 (ii) 224

- 3) A. Express 0.5046 correct to
- (i) 3 decimal places
 - (ii) 2 significant figures
 - (iii) The nearest tenth
 - (iv) 2 decimal places
 - (v) The nearest whole number

B. Find the LCM and HCF of 84 and 210.

4) A. Express the numbers in standard forms

(i) 3,500,000

(ii) 5700

(iii) 28

(iv) 0.47

(v) 0.085

(vi) 0.000003

B. Find the smallest number by which 350 must be multiplied to give a perfect square.