

NADRALA SANGAM SCHOOL

YEAR 8

MATHEMATICS

WORKSHEET 2

1. Simplify the following.

a. 0.25 of 12km

b. 0.45 of 5L

c. 0.125 of 35km

d. 0.15 of \$145.00

e. 0.2 of 3m

f. 0.15 of 3hrs

2. Calculate the following

a. $123.78 \times 100 =$ _____

b. $897.13 \div 100 =$ _____

c. $24.6 \div 100 =$ _____

d. $453.965 \times 10 =$ _____

e. $89.9 \times 1000 =$ _____

3. a.) Write down the values of the dienes blocks if the value of Block is = 1
3 Blocks, 4 sticks, 7 flats, 2 cubes

b.) Write down the values of the dienes blocks if the value of stick is = 1
2 Blocks, 3 sticks, 0 flats, 9 cubes

c.) Write down the values of the dienes blocks if the value of Cube is = 1
0 Blocks, 5 sticks, 2 flats, 3 cubes

4. Find the value of the pro-numeral.

(a) $7n = 49$

(b) $9m = 81$

(c) $12p = 132$

(d) $4p + 2 = 18$

(e) $8(m-3) = 24$

(f) $7p - 9 = 12$

5. Write the following in longhand and calculate the answers:

(a) 4^3

(b) 12^2

6. Simplify

(i) $5m - 2a - 3m - 2a$

(ii) $6p + 4ab + 7p - 3ab$

(iii). $7n - 3b + 5n - 5b$

(iv) $8w - 3a - 2w - 2a$

7. Simplify

a. $\frac{4a}{5} - \frac{2a}{3}$

$\frac{6m}{10} + \frac{4m}{5}$

b. $\frac{3m}{4} + \frac{6m}{7}$

$\frac{2b}{5} - \frac{3b}{5}$

THE END