

1076 NADI SANGAM SCHOOL

YEAR 8 WORKSHEET 3 - SOLUTIONS - 2021

Show all necessary working.

1. (a) Eight hundred and forty-one thousand two hundred and nineteen in numeral is **841,219**

(b) Work out:
$$\begin{array}{r} 4513.97 \\ \times 1.5 \\ \hline \end{array}$$

$$\underline{\underline{6,770.955}}$$

(c) Solve $5^2 - 2^3 =$ **17**

(d) $875.132 \times 10^2 =$ **87,513.2**

(e) What is the area of a rectangle, which has a width of 10 cm, and length that is twice the width?

$$\underline{\underline{20 \times 10 = 200 \text{cm}^2}}$$

(f) $3\text{m}^2 \times 9\text{m}^3 =$ **27m^5**

(g) What is 25% of \$1500? **\$375**

(h) Find the LCM of 5 and 7.

$$M\{5\} = \{5, 10, 15, 20, 25, 30, \underline{\underline{35}}, \dots\}$$

$$M\{7\} = \{7, 14, 21, 28, \underline{\underline{35}}, 42, 29, \dots\}$$

$$\text{LCM} = \underline{\underline{35}}$$

i) Find the HCF of 18 and 81.

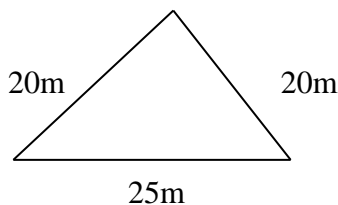
$$F\{18\} = \{1, 2, 3, 6, 9, 18\}$$

$$F\{81\} = \{1, 3, 9, 27, 81\}$$

$$\text{HCF} = \underline{\underline{3}}$$

(j) Write 26.5% as a decimal = **0.265**

2. Aryan owns a triangular farm as shown below and he wants to fence it. He needs to fence the farm using four rows of wire.



(a) What is the perimeter of Aryan's farm? **65m**

(b) How many metres of wire is needed to fence the triangular farm? **260m**

3. Jale was given \$80 to buy a pair of shoes and a bag. He spent **one quarter** of his money on buying a bag and **half of the remainder** on buying shoes.

(a) How much was spent on buying the bag? **\$20**

(b) How much was spent on buying the shoes? **\$30**

(c) How much was left? **\$30**

4. Work out the following

(a) $-15 + -4 = -19$

(b) $-9 \times -5 = 45$

(c) $10.456 \times 100 = 1045.6$

5. Bhan bought 20 pumpkins at \$5.00 each and sold it for \$8.00 each.

(a) How much did Bhan get after selling all the pumpkins? **\$160**

(b) Calculate his percentage profit? **60%**

6. This plane left Sydney Airport at 6.30am and arrived at Nadi International Airport at 9.30am on the same day. It covered a distance of 840 km.



(a) How long did it take the plane to reach Nadi International Airport? **3 hours**

(b) Calculate the speed of the plane in km/h? **280km/h**

7. Mr Patel took a loan of **\$2800.00** from Westpac Bank. The bank gives an **interest of 6.5% per annum for 3 years.**

(a) Find the interest for **one year.** **\$182**

(b) Find the interest for **three years.** **\$546**

(c) What would be the total amount of money Mr Patel had to pay back to the bank? **\$3346**