

**1076 NADI SANGAM SCHOOL**

**YEAR 8**

**CONSOLIDATED**

**WEEKLY HOMESTUDY PACKAGE:11**

**SOLUTIONS**

**2021**

**1076 NADI SANGAM SCHOOL**  
**YEAR 8 MATHEMATICS WEEKLY HOME STUDY PACKAGE 10 – 2021**

**SOLUTION**

**A: Multiple Choice**

1. Choose a mathematical equation that correctly describes this word problem.  
Mr Charan bought some cows. His brother gave him the same number of cows as he had bought. Then he sold 8 goats, and was left with 24 goats.

- A.  $2x-8=24$       B.  $x-8=24$       C.  $2x+8=24$       D.  $2x=24$

2. Rusiate wants to buy a car with a marked price of \$25000. If he is given a discount of 12%, how much will he have to pay?

- A. \$3000      B. \$28000      C. \$24000      D. **\$22000**

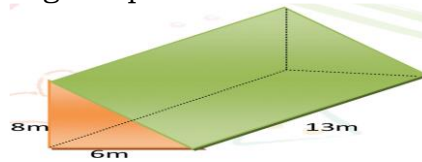
3.  $4x^2 + 3x^2 =$

- A.  $12x^2$       B.  $18x^2$       C.  **$7x^2$**       D.  $16x^2$

4. A shopkeeper bought a calculator for \$16.00 and sold it for \$20.00  
What was his percentage profit?

- A. 35%      B. 24%      C. 9%      D. **25%**

5. What is the volume of the triangular prism shown below



- A.  **$312\text{cm}^3$**       B.  $624\text{cm}^3$       C.  $418\text{cm}^3$       D.  $78\text{cm}^3$

**SECTION B**

**Answer all the questions. Show all necessary working.**

1 (a) Nine million, eight hundred and forty-one thousand, two hundred and nineteen in numeral is **9,841,219**

(b) Work out:  $4513.97 \times 1.5 =$  **6770.955**

(c) Solve:  $5^2 - 2^3 = (5 \times 5) - (2 \times 2 \times 2)$   
 $= 25 - 8$   
 $=$  **17**

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

$$\begin{aligned} A &= b \times h \\ &= 20 \times 10 \\ &= \mathbf{200\text{ cm}^2} \end{aligned}$$

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

2. A cuboid:

(a) What is the volume of the cuboid?

$$\begin{aligned} V &= L \times W \times H \\ &= 10 \times 4 \times 5 \\ &= \mathbf{200\text{cm}^3} \end{aligned}$$

(b) What is the **total surface area** of the above cuboid?

$$\begin{aligned} \text{TSA} &= (A_1 + A_2 + A_3) 2 \\ &= ((10 \times 5) + (10 \times 4) + (5 \times 4)) 2 \\ &= (50 + 40 + 20) 2 \\ &= 110 \times 2 \\ &= \mathbf{220\text{cm}^2} \end{aligned}$$

3. The input and output for a number machine are given in the table below

|          |   |   |    |   |   |
|----------|---|---|----|---|---|
| <b>i</b> | 1 | 2 | 3  | 4 | 5 |
| <b>r</b> | 5 | 8 | 11 | y | z |

(a) Write down the rule to show the relationship between i and r in the table.

$$\mathbf{r = 3i + 2}$$

(b) What are the missing numbers **y** and **z**?

$$\begin{aligned} y &= r = (3 \times 4) + 2 \\ &= 12 + 2 \end{aligned}$$

$$\mathbf{y = 14}$$

4. (a) Write the expression below in **base and index** form

$$6 \times 6 \times 6 = \mathbf{6^3}$$

(b) Solve the equation given below to find the value of x

$$4x - 5 = 45$$

$$4x = 45 + 5$$

$$4x = 50$$

$$x = \frac{50}{4}$$

$$\mathbf{x = 12 \frac{1}{2}}$$

5. Calculate the following

a)

$$\begin{aligned} (4a^3)^2 &= (4 \times 4) \times a^{3 \times 2} \\ &= \mathbf{16a^6} \end{aligned}$$

(b)

$$\mathbf{4b \times 2k \times 3t}$$

$$= (4 \times 2 \times 3)(b \times k \times t)$$

$$= 24 \times bkt$$

$$= \mathbf{24bkt}$$

6. Shivnesh scored the following marks in his trial test.

|                       |           |                      |           |
|-----------------------|-----------|----------------------|-----------|
| <b>Maths</b>          | <b>85</b> | <b>English</b>       | <b>80</b> |
| <b>Social Science</b> | <b>70</b> | <b>Basic Science</b> | <b>65</b> |
| <b>Healthy Living</b> | <b>75</b> |                      |           |

(a) Calculate the average.

$$\begin{aligned} \text{Average} &= \frac{\text{sum of all scores}}{\text{No. of scores}} \\ &= \frac{85+70+75+80+65}{5} \\ &= \frac{375}{5} \\ &= \mathbf{75} \end{aligned}$$

(b) What is the median?

$$\begin{aligned} &65, 70, 75, 80, 85 \\ \text{Median} &= \mathbf{75} \end{aligned}$$

**1076 NADI SANGAM SCHOOL**  
**YEAR 8 HINDI WEEKLY HOME STUDY PACKAGE 10 – SOLUTION: 2021**

**प्रश्न १**

**बोधन**

**अ. प्रश्न**

१. सुदामा के बचपन का दोस्त कौन था ?

क. कृष्ण

ख. सुशीला

ग. संदीपनी

घ. संदीपनी की पत्नी

२. बच्चे आश्रम में क्या करने के लिए गए थे ?

क. रहने

ख. पढ़ने

ग. खेलने

घ. नौकरी

३. कृष्ण और सुदामा की दोस्ती ----- से शुरू हुई थी ।

क. घर

ख. गाँव

ग. द्वारिका

घ. आश्रम

४. पंक्ति नं. ३ में आए परिवार की तरह रहते थे । अर्थात् ----- कर रहते थे ।

क. खा-पी

ख. मार-पीट

ग. मिल-जुल

घ. हक जमा

५. कृष्ण और सुदामा ने वादा किया कि ----- ही एक दूसरे से भेंट करेंगे ।

क. जल्द

ख. हमेशा

ग. कभी नहीं

घ. कभी-कभी

६. श्री कृष्ण कहाँ के राजा थे ?

क. घर

ख. गाँव

ग. द्वारिका

घ. आश्रम

७. पंक्ति नं. १२ में आए निर्धन शब्द का क्या अर्थ है ?

क. दुखी

ख. सुखी

ग. अमीर

घ. गरीब

८. सुशीला कौन थी ?

क. कृष्ण की माँ

ख. सुदामा की पत्नी

ग. संदीपनी की बहन

घ. बच्चों की गुरुमाता

आ. नीचे दिए गए सवालों का जवाब पूरे वाक्य में अपनी उत्तर पुस्तिका में लिखिए ।

९. हम कैसे कह सकते हैं कि कृष्ण और सुदामा की दोस्ती बहुत गहरी थी ?

दोनों एक दूसरे से दूर रहकर भी एक दूसरे को याद करते थे।

सुदामा की गरीबता को दूर करके श्रीकृष्ण ने अच्छी दोस्ती निभाई थी।

१०. कृष्ण और सुदामा क्यों आश्रम नहीं छोड़ना चाहते थे ?

वे एक दूसरे से बिछड़ना नहीं चाहते थे क्योंकि दोनों गहरे दोस्त थे।

**1076 NADI SANGAM SCHOOL**  
**YEAR 8 WEEKLY HOMESTUDY PACKAGE 11**  
**HEALTH SCIENCE, 2021**

**SOLUTION**

1. Resilience – the capacity or ability to recover quickly from difficulties, toughness.
2.
  - Resilience is important because it gives people the strength needed to process and overcome hardship.
  - People who are able to bounce back after a hardship lives longer, they have better health and happier relationships and are more successful in school and work.
3. You need to:
  - Build self confidence
  - Set yourself some goals
  - Maintain perspective
  - Be a positive thinker/person
  - Make friends and work at being a good friend
  - Join in and hang out with positive people.
  - Learn from your mistakes and failures
  - Edit yourself. Give yourself time to think.
4. Find the meaning of these words from your dictionary and write it down in the space provided
  - a. Trauma: a deep distressing or disturbing experience
  - b. Tragedy: an event causing great suffering, destruction and distress, such as a serious accident, crime or natural catastrophe
  - c. Adversity: a difficult or an unpleasant situation. A state of misfortune
  - d. Longevity: long life. Long existence or service.
  - e. Depression: a mental state in which a person has feeling of great unhappiness and hopelessness.
5. They become stronger and have better health and happier relationship.
6. They fail in life / become unsuccessful.

**1076 NADI SANGAM SCHOOL**  
**YEAR 8 WEEKLY HOMESTUDY PACKAGE 11**  
**SOCIAL SCIENCE, 2021**

**SOLUTION**

**Origins and Characteristics of the Major Groups of People**



**Africans**

Africans usually are interrelated groups of people in Africa. Some African countries are Nigeria, Kenya, Ghana, etc.

It is the 2<sup>nd</sup> largest continent on Earth.



**Americans**

Native Americans also known as American Indian, Indigenous Americans and other terms are the indigenous people of the states.

Both terms are generally acceptable, Native Americans and Indian American



### **Asians**

Include people in the continent of Asia. It includes Japan, Taiwan, the Philippines, China, Indonesians.



### **Native Australians**

Also called Aborigines. Australians are people who live in Australia.

**1076 NADI SANGAM SCHOOL**  
**YEAR 8 – 2021**  
**WEEKLY HOME STUDY PACKAGE 11**  
**ENGLISH SOLUTION**

**A. NOVEL - Swiss Family Robinson by Johann Wyss**

*Use the extract below and your knowledge of the story to answer the questions that follow.*

I prepared the explosion and then hurried back to Safety Bay. There we waited for the ship to blow up. Suddenly, there was a terrible explosion. Fire and smoke rose from the ship.

We watched in silence till the fire died down and the ship sank. There were tears in the eyes of all of us. We were all thinking that now we were quite cut off from our old home and country. We could not help feeling sad.

(i) Who is the I mentioned in the extract?

***Mr Robinson***

(ii) Why was a place named Safety Bay in the story?

***It is the very first place they landed on when they were shipwrecked.***

(iii) Explain one reason it was necessary to blow up the ship.

***For them not to have the memories of what they had faced in the sea.***

(iv) What is decided after this explosion?

***They had decided to enjoy their life in their new country.***

**1076 NADI SANGAM SCHOOL**  
**YEAR 8 – 2021**  
**WEEKLY HOME STUDY PACKAGE 11- SOLUTION**  
**NA VEIKA VAKA VITI**

**A.** Vakamacalataka na I balebale ni veivosa ka volai koto era.

1. **tuatua** – e dua na ka e cere balavu me muri se I yalayala me vaka na delana  
**veitokaitua** - na veituitui se veitarataravi ni veiulunivanua e na nodra davo koto

2. **macala** – ni sa kilai vinaka e dua na ka e vakamacalataki gusu

**matata** – ni sa kila Vinaka e dua na ka ni vakaraitaki na vatukana me macala kina

3. **kawaca** – muria e dua na ka mo takosoa na wai

**kalawaca** – na cavu ni yava me sivia kina e dua na ka e koto e ra.

4. **qeqera** – na lulutu ni veika mamada me vaka na draunikau na vuanikau me vaka na maqo, dawa

**lulutu** – na qeqere ni ni veika me vaka na vua ni niu , na vatu.

5. **basika** – na lautai ni dua na ka ni sa sivia na ka a vakataotaka tiko me vaka na ucuna se veikau.

**laurai** – sa basika maim ai ni sa seyavu na ka a vakataotaka tiko me vaka n akubou, uca, o se veika vaka oya.