

**1076 NADI SANGAM SCHOOL**

**YEAR 8**

**CONSOLIDATED**

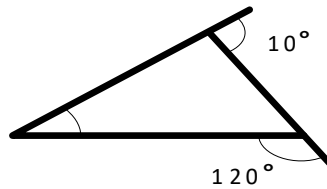
**WEEKLY HOME STUDY  
PACKAGE:12**

**SOLUTIONS**

**2021**

**A. Multiple Choice**

1. What is the value of  $x$  in this triangle?



- (A)  $45^\circ$       (B)  **$50^\circ$**       (C)  $55^\circ$       (D)  $60^\circ$       (E)  $65^\circ$

2. The value of  $\frac{3 \times 5}{9 \times 11} \times \frac{7 \times 9 \times 11}{3 \times 5 \times 7}$  is

- (A) 0      (B) **1**      (C) 49      (D)  $\frac{1}{49}$       (E) 50

3. Sarah used a calculator to find the product of  $0.075 \times 2.56$ . She forgot to enter the decimal points. The calculator showed 19200. If Sarah had entered the decimal points correctly, the answer would have been.

- (A) 0.0192      (B) **0.192**      (C) 1.92      (D) 19.2      (E) 192

4.  $0.4 + 0.02 + 0.006$  is equal to

- (A) 0.012      (B) 0.066      (C) 0.12      (D) 0.24      (E) **0.426**

5. Which of these is not equal to 10?

- (A)  $20 \times 0.5$       (B)  $(5 - 3) \times 5$       (C)  **$1 + 4 \times 2$**       (D)  $40 \div 4$       (E)  $100 \times 0.1$

**B. Problem Solving**

6. A triangular prism has a base of 20 cm, height of 10 cm and length of 10 cm.

(a) How many faces does the prism above have?

**5 Faces**

(b) Calculate the volume of the prism using the formula.

$$\begin{aligned} V &= \frac{1}{2} \times b \times h \times L \\ &= \frac{1}{2} \times 20 \times 10 \times 10 \\ &= 10 \times 10 \times 10 \\ &= \mathbf{1000 \text{ cm}^3} \end{aligned}$$

(c) How many **litres** of water can the prism hold?

$$1l = 1000\text{ml} = 1000\text{cm}^3$$

$$\text{So } 1000\text{cm}^3 = \mathbf{1 \text{ litre}}$$

7. The weight of a truck is 4 tonnes.

1 tonne = 1000 kg
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(a) The truck is loaded with another 1 tonne of cargo. What is the total weight of the truck and the cargo in kg?

$$4000 + 1000 = \mathbf{5000\text{kg}}$$

(b) If  $\frac{1}{5}$  of the cargo is off-loaded, how many tonnes of cargo is left?

$$\frac{1}{5} \times 1000 = 200\text{kg}$$

$$1000 - 200 = 800\text{kg} = \mathbf{0.8 \text{ tonnes}}$$

8. Mrs. Jays bought a double bed on hire purchase. The bed price is \$950 but she deposited \$200 and pays \$58 as monthly installments for 2 years.

(a) What is the total installments paid for the first year?

$$58 \times 12 = \mathbf{\$696}$$

(b) If she bought the bed on cash how much money could she save at the end of the **first** year? **Should have been second year**

$$\begin{aligned} 696 \times 2 &= \$1392 \\ 1392 + 200 &= 1592 \\ 1592 - 950 &= \mathbf{\$642} \end{aligned}$$

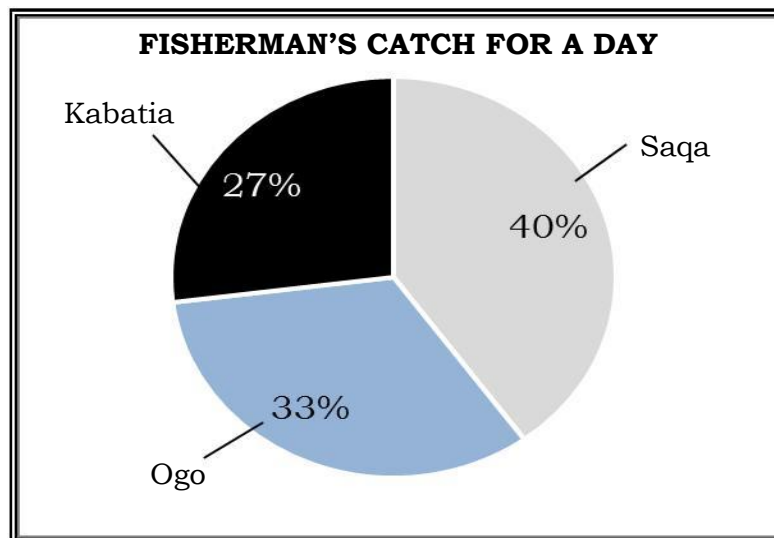
(c) What is the total amount she paid for the hire purchase?

$$\mathbf{\$1592}$$

(d) Which of the two methods of buying, hire purchase or cash is cheaper?

**Buying in cash is cheaper.**

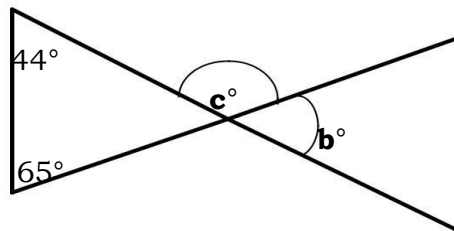
9. A fisherman's catch is represented in the pie-chart as shown below.



(i) If the fisherman caught 180 fish for a particular day, find the number of Ogo caught on that day.

$$\begin{aligned} 33\% \text{ of } 180 &= \frac{33}{100} \times 180 \\ &= 59.4 \\ &= \mathbf{59 \text{ Ogo's}} \text{ (Round off)} \end{aligned}$$

10. (a) Use the diagram below to calculate the missing angles.



Find the size of angle:

$$\begin{aligned} \mathbf{b} &= 180 - (65 + 44) = 71^\circ \\ \mathbf{c} &= 180 - 71 = 109^\circ \end{aligned}$$

**1076 NADI SANGAM SCHOOL**  
**YEAR 8 HINDI WEEKLY HOME STUDY PACKAGE 12 SOLUTION- 2021**

**अ. प्रश्न 1**

दिए गए शब्दों में से सही जवाब के बगल वाले अक्षर में गोलाकार निशान बनाइए । थम

1. कच्चे आम की चटनी ----- जाती है ।  
क. बनाया      ख. बनाए      ग. बनाई      घ. बनाएँ
2. किसान अपने घोड़े को ----- रहा है ।  
क. नहलाता      ख. नहलाते      ग. नहला      घ. नहलाती
3. नया पुल के बन जाने से बा के लोग ----- हैं ।  
क. खुश      ख. खुशियाँ      ग. खुशी      घ. खुशियाली
4. मक्खी कई प्रकार की बीमारियाँ ----- है ।  
क. फैलाता      ख. फैलाती      ग. फैलाते      घ. फैलातीं
5. शीला कहती है कि वह अगले सप्ताह केनेडा घूमने -----।  
क. जाएगा      ख. जाएंगे      ग. जाएगी      घ. जाएगीं

आ. नीचे दिए गए शब्दों का विलोम शब्द लिखिए ।

- |                 |                 |
|-----------------|-----------------|
| १. जीवन - मरण   | ४. रोना - हँसना |
| २. प्यार - नफरत | ५. आगे - पीछे   |
| ३. अच्छा - खराब |                 |

इ. नीचे दिए गए कोष्ठक में से सही शब्द को चुन कर वाक्य को पूरा करके अपनी अभ्यास पुस्तिका में लिखिए ।

१. मदन ..... आया है । (अभी, कभी)
२. यदि तुम अपना ..... चाहो तो यहाँ से चले जाओ । (भोला, भला)
३. हमारी माँ ने ..... खरीदी है । (धोभी, गोभी)
४. शाम की नानी बहुत ..... है । (बोली, भोली)
५. घर बनाने के लिए थोड़ा और ..... चाहिए । (बालू, भालू)

ई. इन के पर्यायवाची शब्द लिखो ।

१. घर - मकान
२. पुत्र - बेटा
३. पानी - जल
४. ईश्वर - भगवान
५. पास - करिब



**1076 NADI SANGAM SCHOOL**  
**YEAR 8 – 2021**  
**WEEKLY HOME STUDY PACKAGE 12 SOLUTION**  
**NA VEIKA VAKA VITI**

**NA VAKACACALI**

**NA I VOLA NI TALANOA: KO ALENI KOTAMENI**

**A I MATAI NI TARO**

1. Na taci Ranadi Soraisi se , na ranadi rairai totoka
2. E marama rairai totoka ka mata malumu .
3. Sa Anare
4. Sa Anare .

**A I KARUA NI TARO**



***“A kedra lewe levu taucoko na tabili mai oqo e rauta ni 8,000 ka ra ciciva sobu mai na baba.”***

(Mai na Wase 26, Tabana e 123)

1. Na lewe ni mataivalu nei Soraisi ?
2. E vak ana I bulibuli ni ulu ni moto ka ra lewe 5000.
3. Aleni Kotamnei
4. Me baleta nona sega ni vakaio o Ranadi Nailepica ve vakawatitaki Nasita.

**1076 NADI SANGAM SCHOOL**  
**YEAR 8 WEEKLY HOME STUDY PACKAGE 12**  
**HEALTHY LIVING SOLUTION, 2021**

COMMUNITY SAFETY

<p align="center"><b>CYCLONE</b></p> <p>Another term for tropical storm. A storm or system of wind that rotates about a center of low atmospheric pressure.</p>	<p align="center"><b>Physical impact</b></p> <p>-Removes the forest canopy/changes the landscape near coastal areas.          -Losses of life and material damage are significant due to strong winds and heavy rains.</p>	<p align="center">Picture</p> 
<p align="center"><b>FLOODING</b></p> <p>An overflow of water into normal dry land. A rising and overflowing of a body of water especially onto normal dry land. The covering or submerging of normally dry land with a large amount of water.</p>	<p align="center"><b>Emotional impact</b></p> <p>Grief, panic loss, fear and sadness, depression, anxiety. Difficulties sleeping, anger, irritability and guilt may also surface. Individual may experience symptoms of post-traumatic stress disorder, depression and anxiety.</p>	<p align="center">Picture</p> 
<p align="center"><b>Car Accident</b></p> <p>It happens/occurs when a vehicle collides with another vehicle, pedestrian, animal, road debris or any obstruction such as tree, pole or building.</p>	<p align="center"><b>Social Impact</b></p> <p>Experiencing a life changing injury can lead people to change the priorities in their social lives          Shock, anger, guilt, denial, anxiety, fear and irritability.          Getting tired easily, experiencing a</p>	<p align="center">Picture</p> 

**1076 NADI SANGAM SCHOOL  
YEAR 8 WEEKLY HOME STUDY PACKAGE 12  
SOCIAL SCIENCE SOLUTION, 2021**

**PEOPLE AND CARE OF PLACES**

<b><i>Type Of Pollution</i></b>	<b><i>Explanation</i></b>	<b><i>Ways of improving</i></b>
<p style="text-align: center;">LAND POLLUTION</p> 	<p>Land pollution refers to the deterioration of the earth's land surfaces, at and below ground level. the cause is the accumulation of solid and liquid waste materials that can contaminate ground water and soil.</p>	<ul style="list-style-type: none"> <li>-Avoid littering</li> <li>-Practice the 3 Rs - Recycle, reuse, reduce and refuse to waste.</li> <li>-Proper management of agricultural land and the practice of organic farming.</li> <li>-Create awareness and put up heavy fines to people who do not follow the laws.</li> </ul>
<p style="text-align: center;">WATER POLLUTION</p> 	<p>Is the release of substance into bodies of water that makes water unsafe for human use and disrupts aquatic ecosystems.</p> <p><u>Main Causes of Water Pollution</u></p> <ul style="list-style-type: none"> <li>-Avoid oil/ fuel spillage</li> <li>- Chemical/ fertilizer run off.</li> <li>-Industrial, agriculture and livestock farming</li> <li>-Rubbish and faecal water dumping</li> <li>-Maritime traffic</li> </ul>	<ul style="list-style-type: none"> <li>Avoid spillage of harmful chemicals</li> <li>Recycle, reuse, reduce wastage.</li> <li>Put your rubbish in the proper place.</li> <li>Reduce the use of chemicals when cleaning.</li> </ul>



## AIR POLLUTION



-Is a mixture of solid particles and gases in the air.

-Car emission, chemicals from factories dust pollen and old mold spores may be suspended as particles. Ozone, a gas is a major part of our pollution in Cities.

-Air pollution is caused by solid and liquid particles and certain gases that are suspended in the air. These particles and gases can come from volcanoes and wild fires,etc etc

-Replant trees because trees are air purifiers that is they in carbondioxide and give out oxygen.

-use public transport more then your own private vehicle .

-Say No to Plastic bags.

- Practise of the 3Rs

-No burning forest fires and reduce smoking.

-Ban the use of fire crackers.

## NOISE POLLUTION



Also known as sound pollution or environment noise is the propagation of noise with ranging impacts on the activity of human and animal life, most of them harmful to a degree. It is also considered to be any unwanted or disturbing sound that affects the health and well-being of humans and other organism.

-Encourage noise free attitude

-Sound proof your space

-Keep noisy machines away

-Plant more trees as they are good noise absorbers

-Create healthy noise to replace unwanted noise.

-lower the volume.

-stay away from noisy areas.

-Follow the limits of noise level.