

1076 NADI SANGAM SCHOOL

YEAR 8

**CONSOLIDATED
SOLUTIONS**

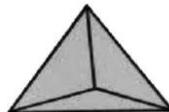
**WEEKLY HOME STUDY
PACKAGE:12**

27/9 TO 01/10

2021

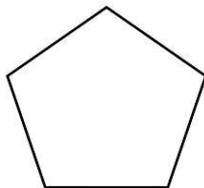
8. The **volume** of a cuboid with a length 60 cm, 30 cm width and a height of 70 cm would be
- A. 18000 cm³
 - B. 21000 cm³
 - C. 42000 cm³
 - D. 126000 cm³**
9. A prism has a base area of 45 cm² and volume of 90 cm³. The height of the prism is
- A. 2 cm**
 - B. 22.5 cm
 - C. 47 cm
 - D. 135 cm
10. Shayal is cooking some rice. She uses 4.5 kilograms of rice. How much is this in grams?
- A. 45 grams
 - B. 450 grams
 - C. 4500 grams**
 - D. 45000 grams
11. If Fiji is 2 hours ahead than Sydney in Australia, then at what time will Ravi be watching the Rugby Sevens on the Television in Fiji if the match begins at 5pm in Sydney?
- A. 5.00 am
 - B. 7.00 pm**
 - C. 5.00 pm
 - D. 7.30 pm

12. Use the diagram below to answer **Question 12**



How many edges does this triangular pyramid have?

- A. 1
 - B. 3
 - C. 4
 - D. 6**
13. A regular pentagon is given below.



The size of each interior angle is

- A. 72°
- B. 108°**
- C. 252°
- D. 540°

Use the table below to answer **Questions 14 and 15**.
A student scored the following marks in a test.

Social Science	74
English	80
Healthy Living	82
Basic Science	90
Maths	94

14. The **average** of the marks scored by the students is
- A. 20
 - B. 74
 - C. 84**
 - D. 94
15. The subject with the **median** score is
- A. Maths.
 - B. English.
 - C. Basic Science.
 - D. Healthy Living.**

SECTION B

PROBLEM SOLVING

Show all necessary working.

1. Write 8^8 in expanded form = **16777216**
2. The table below shows the **input (i)** and **output (r)** of a number machine using the formula, $r = 2i - 1$.

i	r
1	1
3	x
5	9
7	13
y	21
13	25

Find the value of:

- (a) **$x = 5$**
- (b) **$y = 11$**

3. The table below represents the number of students of Nadi Sangam School in their different school-based athletics meet.

Red House	Blue House	Green House	Yellow House	Orange House	Maroon House
165	167	166	167	167	170

- (a) Find the total number of students in Nadi Sangam School.
 $165+167+166+167+167+170 = 1002$
- (b) Which House has the highest number of students?
Maroon House

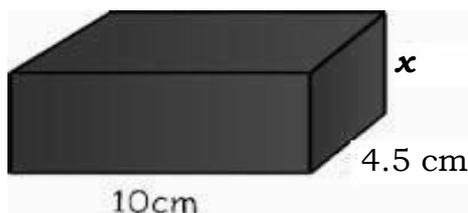
4. (a) Find the missing value by representing it on the number line.

$$-4 - 5 = \boxed{-9}$$

- (b) Find the missing integer.

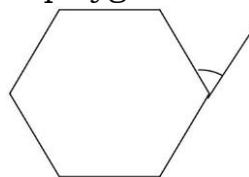
$$-7 - -10 = \boxed{3}$$

5. The volume of the cuboid is 180 cm^3 .



- (a) Calculate the value of $x = 180/45 = 4\text{cm}$
- (b) How many liters of water will fill the cuboid?
 $180/1000 = 0.18 \text{ l}$

6. The diagram below shows a regular polygon.



- (a) Name the polygon given above.
Hexagon
- (b) What is the sum of interior angles of this polygon?
 $A = (n-2) 180^\circ$
 $= (6-2)180$
 $= 4 \times 180$
 $= 720^\circ$

- (c) Find the value of the angle marked $a = 180 - 120 = 60^\circ$

12. दिनेश को किस प्रकार सच्चाई का फल प्राप्त हुआ ?

बूढ़ी महिला दिनेश से प्रभावित होकर उसकी पढ़ाई का खर्च भी देने लगी । जब दिनेश और बड़ा हुआ तब वह उसे अपने यहाँ नौकर रख लिया ।

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 12 SOLUTION
ENGLISH

Read the story carefully and answer the question that follows;

Passage

Pita sat in the gardens one Sunday morning and thought how beautiful life would be for him if he could hold Sera's hand and run down the hill with her hand in his. He would be very happy and there would be nothing he would not be able to do if he could be close to the sweet song of her laughter, and there would be nothing he would want if he could hold her hand.

Sera came running up the hill. She held a branch of the flowering hydrangea in her hand, and it was lilac against her white shorts. Her bare brown legs were the colour of spice and she ran strongly up the hill on her toes. He buried his head in the book and pretended that he did not see her. He did not look up until he heard her voice. "Hello," she said. She was smiling and seemed far away from him, remote and out of reach. "Hello," he said, his heart thundering.

1. Where was Pita sitting and what was he doing?

Pita was sitting in the garden and thinking of how life would be if he holds Sera's hand.

2. How Did Sera go up the hill and what was she holding?

Sera ran up the hill with the flowers in her hand.

3. When did Pita look up to Sera?

He looked up when he heard Sera's voice.

4. Explain briefly what lessons have you learnt after reading and understanding the story. Give examples from the story to support your answer.

Few values – Love, Power of imagination /vision, heart of welcoming people/Chasing dreams.

Example – Pita's power of imagination goes from his heart of him imagining to hold Sera's hand and welcome her with a smile. Pita could sense Sera smiling from a distance. That also help us in real life when we want to become something in future we need to vision it and work towards it. Have those positive feelings that you can do it.

5. Describe the most interesting part of the story and give reasons to support your answer.

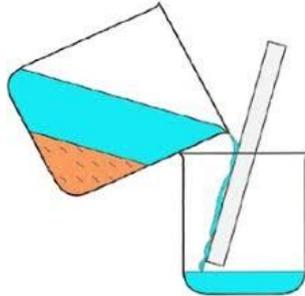
It all depends on how you think. – All your explanation can be right. Discuss it with your teacher.

6. If you have to think of something like what happened in the above passage, what would you think of ?

That depends on what you think . Share it with the class members during online class.

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WEEKLY HOME STUDY PACKAGE 12 SOLUTION
BASIC SCIENCE

1. Some Year 8 students of a primary school wanted to separate sand from a mixture of sand and soil. One of the processes they used is shown below.



Explain the process you used;

Name of the process: **Decantation**

Explanation

Process of separating insoluble solid from liquid. Stir the beaker which contains the mixture of sand, soil and water. After stirring let it rest. Then you pour that mixture to another beaker with the aid of the stirring rod. Keep repeating the process of stirring, let it rest and pour until you see that only sand is there in the beaker or the sand is clean.

2. Three layers of the Earth are Troposphere, Stratosphere and Mesosphere. Choose only two layers and write a paragraph on it using the questions given below as your guidelines:

#Please refer to summarized notes on all Level s of atmosphere.

Note:

The most disturbed layer is the troposphere where their human activities disturbed or damaged the atmosphere. Troposphere is where we live.

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WEEKLY HOME STUDY PACKAGE 12
NA VEIKA VAKA VITI - SOLUTION

WASEWASE F NA I TOVO KEI NA VAKARAU VAKAVANUA

I. Wirina na i sau ni taro ko sa digitaka

1. Ni ruasagavulu na i wau sa tautauvata ni rua na

A. bure. B. tuatua. C. tabakau. D. kumakumare.

2. Na i yatu vosa cava e i vakatakilakila ni sa roro mai na cagilaba? Ni

A. kaukauwa na cagi. B. bota i ra na vanua.

C. veitaravi na gaga ni ika. **D. vakavale e ra na lagokata.**

3. Na i luva ni vesa e dau vakayacori ena gauna ni

A. qoli **B. meke.** C. vakamau. D. vakaisulu.

4. Na vukade e tiki ni

A. veiwere. **B. tolo ni vudi.** C. waqa vaka-Viti. D. vale vaka-Viti.

5. Na i vakalomavinaka ka vakayagataki kina na uto na

A. qalu. B. sivaro. C. malimali. D. yakiyaki.

6. Na kamunaga se yaqona ka vakaraitaki kina ni sa vakarau na lesu tale e

A. i tatau. C. i qaloqalovi. B. i sevusevu. D. i vakatoka yaca.

7. Na i coco, vakabati kei na i davodavo e ratou mataqali

A. ibe. B. masi. C. i wau. D. kakana.

8. Na derua e ta mai na

A. kau B. bitu. C. qa ni niu. D. kaukamea.

9. Vakaturaga ki Nabukebuke vua na

A. Tui Bua. B. Tui Tavuki. **C. Tui Namosi.** D. Tui Mabua.

10. Ni tini na i kau vudi sa dua na

A. wai. B. rara. **C. bewa.** D. vakasoso.

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

PROCESSED FOODS AND ITS NUTRITIONAL VALUES

EXERCISE – SOLUTION

1. Name 5 processed foods that mum usually buys at home.

Flour/ cheese/ tin fish/ tin meat/ mixed vegetable/ fruit (can)/ ice cream/ tomato sauce/ potato chips.

2. Why are processed foods not healthy?

Process foods often include unhealthy levels of added sugar, sodium and fat. These ingredients make food we eat taste better but too much of them leads to serious health issues like obesity, heart disease, high blood pressure and diabetes.

3. How can you find out if a food is being processed?

You can determine whether a food is processed by looking at the ingredient list. The longer the ingredient list, the more processed a food is likely to be. Processed foods are usually more likely to contain ingredients that you are not able to recognize or ingredients that you wouldn't have in your kitchen. The more food is processed the fewer nutrients it contains. Processing of food dilutes the remaining nutrients by adding cheap fillers such as water, fats and sugar.