

NADI SANGAM SCHOOL

**WEEKLY HOME
STUDY
PACKAGE #15**

SOLUTIONS

YEAR 5

18/10/21- 22/10/21



1076 NADI SANGAM SCHOOL

YEAR 5

MATH

WEEKLY HOME STUDY PACKAGE #15- SOLUTIONS

A. Use the rule, $\underline{n(n+1) \div 2}$, to find these triangular numbers.

1. 9th triangular number

$$9(9+1) \div 2$$

$$9 \times 10 \div 2$$

$$90 \div 2 = \underline{45}$$

2. 10th triangular number

$$10(10+1) \div 2$$

$$10 \times 11 \div 2$$

$$110 \div 2 = \underline{55}$$

B. Use the dots to formulate the, (use the rule $n \times (n + 1)$)

1. 6th rectangular number

$$6 \times (6+1)$$

$$6 \times 7 = \underline{42}$$

2. 7th rectangular number

$$7 \times (7+1)$$

$$7 \times 8 = \underline{56}$$

C. Write down **True** or **False** for the given mathematical sentences.

1. $4 + (9 + 6) = (4 + 9) + 6$ **True** 2. $10 + (2 + 9) = (10 + 3) + 9$ **False**

D. Show associative property on addition and multiplication problems. Follow the examples shown on top.

1. $3 + (9+4) = (\underline{3+9}) + \underline{4}$

$$3 + 13 = 12 + 4$$

$$16 = 16$$

2. $7 \times (2 \times 3) = (7 \times \underline{2}) \times \underline{3}$

$$7 \times 6 = 14 \times 3$$

$$42 = 42$$

E. Solve the following using distributive property

1. $8 \times (1 + 2) = (8 \times 1) + (8 \times 2)$

$$= 8 + 16$$

$$= 24$$

2) $6 \times (7 + 8) = (6 \times 7) + (6 \times 8)$

$$= 42 + 48$$

$$= 90$$

F. Simplify these using distributive properties

$$\begin{aligned} 1. 6p + 2p &= (6+2) \times p && \text{or } p \times (6+2) \\ &= 8 \times p && \text{or } p \times 8 \\ &= \mathbf{8p} && \text{or } \mathbf{8p} \end{aligned}$$

G. Calculate the following using the distributive property.

$$\begin{aligned} 1) 7 \times 19 &= 7 (10 + 9) = (7 \times 10) + (7 \times 9) \\ & \mathbf{70} + \mathbf{63} = \mathbf{133} \end{aligned}$$

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ENGLISH

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1. Listed are some abstract nouns. Make adjectives and adverbs from them. Remember many adverbs end in *ly*. The first one is done for you.

Noun	Adjective	Adverb
care	careful	carefully
hope	hopeful	hopefully
adventure	adventurous	adventurously
sense	sensible	sensibly
anger	angry	angrily
affection	affectionate	affectionately
comfort	comfortable	comfortably
victory	victorious	victoriously

2. Verb tenses.

Select the best verb form.

1. While he _____ for the bus, it rained.
a. is waiting **b. was waiting** c. will be waiting
2. You _____ Italian, by the time you return from Italy.
a. are mastering b. mastered **c. will have mastered**
3. Gina _____ for weeks before she finally did a good back flip.
a. practices b. had practiced **c. will have practiced**
4. By next year, I _____ the course.
a. completed b. have completed **c. will have completed**
5. By the time you arrived, I _____ for hours.
a. am waiting **b. had been waiting** c. will wait
6. The house was built in the spot where the old cottage _____.
a. was **b. had been** c. will have been

2. Opposites

Write down the opposite of the words given below.

- | | | | |
|-----------|----------------|------------|---------------|
| 1. noisy- | <u>quiet</u> | 6. Polite- | <u>rude</u> |
| 2. ugly- | <u>pretty</u> | 7. Lazy - | <u>active</u> |
| 3. deep- | <u>shallow</u> | 8. Find- | <u>lost</u> |
| 4. wide- | <u>narrow</u> | 9. Smooth- | <u>rough</u> |
| 5. kind- | <u>unkind</u> | 10. Windy- | <u>calm</u> |

Use the opposites of the words from above to fill in the blank spaces in the sentences.

1. The class was very quiet, even though Miss Prasad was not there.
2. The bride looked pretty in her red sari.
3. We should only cross shallow rivers.
4. The bridge is very narrow; only one car can cross it at a time.
5. The unkind owner beat his dog.
6. It is rude to cough without putting our hand over our mouth.
7. Sala is very active girl; she always does her homework.
8. “ If you lost your text-book, please buy another one.” Mr Batiratu said to Year 5.
9. Gravel roads are quite rough.
10. It was a calm day, so Ram and Ratu went fishing in their small outboard motor boat.

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SOCIAL STUDIES

WEEKLY HOME STUDY PACKAGE # 15- SOLUTIONS

Matching

Write the correct letter of the answer in the space provided.

Part A	Answer	Part B
Western side	<u>F</u>	A. Set of farming techniques and practices to avoid soil degradation
Southern & Eastern side	<u>J</u>	B. Dry and arid land
Resources	<u>E</u>	C. Keeps soil from being left out bare
Needs	<u>I</u>	D. Good soil conservation practice
Wants	<u>G</u>	E. Are things that helps us to satisfy our needs in order for us to survive
Land resources	<u>H</u>	F. Has dry and fertile soil
Soil conservation	<u>A</u>	G. Timber and gravel
No-till farming	<u>C</u>	H. Land, minerals and water
Natural fertilizers	<u>D</u>	I. Food, water, air, shelter and clothes
Land pattern	<u>B</u>	J. Has wet and thick forests with highlands

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ELEMENTARY SCIENCE

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Fill in the blanks

Use the words given in the box below to answer the questions given below.

back	see-saw	friction	backwards	conserve
water	turbine	forces	weight	balanced

1. To conserve electricity, we should replace standard bulbs with CFL bulbs.
2. Forces can make objects turn if there is pivot.
3. A see-saw is a long plank balanced on a central fulcrum.
4. A see-saw balance is used for measuring weight.
5. When two forces acting on an object are equal in size but act in opposite directions, we say that they are balanced forces.
6. There is friction between you and the floor that makes resistance to keep you in place.
7. Water wheels are also called water reaction turbines.
8. Gardener's often use squirt power to water their lawns.
9. When water flows through the spray, its forward force makes the rotating head move backwards.
10. If you push on anything, it pushes back on you.

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HEALTHY LIVING

WEEKLY HOME STUDY PACKAGE # 15- SOLUTIONS

Answer the following questions:

Fill in the blanks

minerals	carbohydrates	iron	water
vitamins	tissues		

1. Carbohydrates are the main energy source for the brain.
2. Protein is needed for the building and repair of body tissues.
3. Fat is an energy source that increases the absorption of fat-soluble vitamins.
4. Our body uses minerals to build strong bones to transmit nerve impulses.
5. Water helps to transport nutrients to the cell.
6. Vitamins helps in the absorption of iron calcium into the blood.

Answer the following:

1. What does lack of carbohydrates cause?
- headache, nausea, difficulty focusing mentally, bad breath and constipation.
2. Name some protein food.
Fish, chicken, meat, milk, dhal and sea food.
3. How many liters of water should we consume in a day?
2- 3 liters
4. What can happen if a person consumes too much fatty foods?
- Obesity
- Cardiovascular diseases (high B.P, heart attack, stroke and death)

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WHSP #15 - SOLUTION

अभ्यास (Activity)

सही जवाबों को चुन कर लिखो :

१. ख
२. ग
३. क
४. ग
५. ग

इन वाक्यों की पूर्ती करो :

१. दो हफ्ते की छुट्टियों में नमन , वनशीका और गौरव बा गए हुए थे ।
२. तौल घर में गाड़ी सहित गन्ने को तौला जाता है ।
३. गन्ने की गाड़ियों को चलती हुई पेटी पर खाली कर दिया जाता है ।
४. पेरने पर गन्ने की रस निकल आता है ।
५. गन्ने को साफ करने के लिए रस में चूना मिलाया जाता है ।

1076 Nadi Sangam School

Year 5

Vernacular – I – Taukei - Solution

Weekly Home Study Package # 15

Na Taro

1. O cei ko matanivanua?

Ko matani vanua sa I ko ira na daunivosa ka ni ra gusu ni vosa nei koya na turaga.
Ko matanivanua talega e domo ni vanua ki vua na turaga.

2. A cava soti na I tavi nei matanivanua?

- Rabeta na mena yaqona na turaga
- Domoni vanua ki vua na turaga
- Raica me vakayacori vakadodonu na lewa vakavanua.

3. A cava na I vakaraitaki ni matani vanua vinaka?

Sa I koya na matani vanua ka dau ia na veivaqacotaki kei na veivakadreti kina yavusa.

4. O cei o koya ka dau vosa me baleta na turaga?

Gusu ni turaga/ se o matani vanua

5. Na cava na I yau talei ka dokai ka rokovi ki vei keda na I Taukei?

Na Tabua.

Supplementary Solution

Vosa Veibasai

Vola na vosa veibasai ni veivosa ogo

- a. Rakorako – sabalia, doce, sakasaka.
- b. Yalo malua – yalo malua
- c. Vakaturaga – Vakaisi
- d. Tauvanua – turaga
- e. Vakaveivolekati – vakaveiyawaki
- f. Vakadodonutaka - vakacala