

1076 NADI SANGAM SCHOOL

YEAR 8

CONSOLIDATED

WEEKLY HOME STUDY

PACKAGE:17

ASSESSMENT-2-SOLUTIONS

01/11 TO 05/10

2021

1076 NADI SANGAM SCHOOL
YEAR 8 MATHEMATICS WEEKLY HOME STUDY PACKAGE: 17 - 2021

SOLUTION

SECTION A **MULTIPLE CHOICE**

1. Raj's family of 2 adults and 2 children went to watch movies at Life Cinema D-max. If each adult paid \$10.00 and each child paid \$6.50, how much change will Raj get from a \$50.00 note?
A. \$16.50 **B. \$17.00** C. \$33.00 D. \$33.50

2. A plane ticket costs \$75. Which calculation will give the new price if a fee of 10% is added to the price?
A. $\$75 \times \7.50 B. $\$75 - \7.50
C. $\$75 \div \7.50 **D. $\$75 + \7.50**

3. A crate filled with bottles weighs 4 kg. The bottles weigh 2.3 kg. What is the weight of the empty crate?
A. **1.7 kg** B. 2.3 kg C. 6.3 kg D. 9.2 kg

4. There are 2 green, 4 blue, 3 orange and 3 yellow marbles. What is the probability that Rusiate picks a blue marble?
A. $\frac{4}{12}$ B. $\frac{1}{4}$ C. $\frac{1}{12}$ D. $\frac{8}{12}$

5. A cone and cylinder have the same height and diameter.
If the volume of the cylinder is 90 cm^3 , then the volume of the cone would be
A. 10 cm^3 **B. 30 cm^3** C. 60 cm^3 D. 90 cm^3

6. Mereoni was given \$5.00 for her spending. She spent \$3.00 on snacks. What percentage of the money was spent on snacks?
A. 2 % B. 3 % C. 40 % **D. 60 %**

7. Shaveet borrows \$8,000 for 4 years from a bank to buy a car. What is the Simple Interest charged by the bank if the rate is 8% per annum?
A. \$320 B. \$640 C. \$1,280 **D. \$2,560**

8. $4^2 + 3^4 =$ _____
A. 13 B. 20 C. 28 **D. 97**

9. $7.2 \div 0.08 =$ _____
A. 0.09 B. 0.9 **C. 90** D. 900

10. The value of p in the equation $2p - 6 = 10$ is
A. 2 **B. 8** C. 11 D. 32

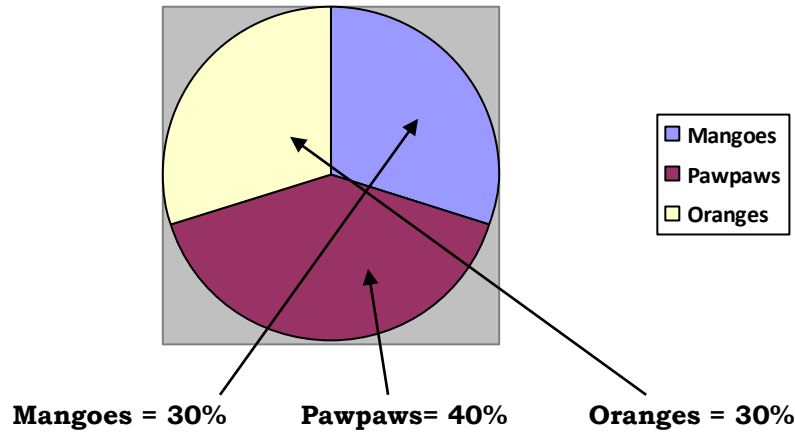
SECTION B

PROBLEM SOLVING

21. Francis bought the following fruits from the market on a Saturday morning:

- 15 Mangoes
- 20 Pawpaw's
- 15 Oranges

(a) On a pie chart show how much percentage would represent one fruit?



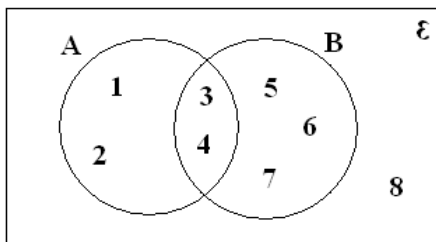
(b) How much percentage would represent Oranges?

$$\frac{15}{50} \times 100\% = \mathbf{30\%}$$

(c) What fraction (in simplest form) of the pie would be pawpaw's?

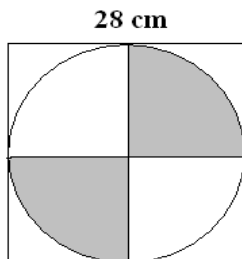
$$\frac{20}{50} = \mathbf{\frac{2}{5}}$$

22. Refer to the diagram below to answer the questions that follow.



- List: (a) $A = \{1, 2, 3, 4\}$
 (b) $B' = \{1, 2, 8\}$
 (c) $A \cup B = \{1, 2, 3, 4, 5, 6, 7\}$

23. A circle has been drawn inside a square with quadrants shaded.



(Use $\pi = \frac{22}{7}$)

(a) What is the **radius** of the circle?

$$r = \frac{28}{2} = \mathbf{14\text{cm}}$$

(b) Find the area of the **unshaded** part.

$$\text{Area of square} = L^2 = 28^2 = 784 \text{ cm}^2$$

$$\text{Area of circle} = \frac{\frac{22}{7} \times 14^2}{2} = \frac{616}{2} = 308\text{cm}^2$$

$$\mathbf{\text{Area Unshaded} = 784 + 308 = 1092 \text{ cm}^2}$$

24. A population survey showed **16,000** adults and children participated in a kite fly competition. $\frac{1}{4}$ of the population which flew the kite were adults.

(a) What number of the kite flyers were adults?

$$\frac{1}{4} \times 16000 = \mathbf{4000 \text{ adults}}$$

(b) Calculate the number of children who flew the kites.

$$16000 - 4000 = \mathbf{12000 \text{ children}}$$

(c) If half of the adults are females. How many females participated in the competition?

$$\frac{4000}{2} = \mathbf{2000 \text{ females}}$$

25. The weight of a truck is 9.5 tonnes.

$$\mathbf{1 \text{ tonne} = 1000 \text{ kg}}$$

(a) The truck is loaded with another 3 tonnes of cargo. What is the total weight of the truck and the cargo in kg?

$$9.5 + 3 = 12.5 \times 1000 = \mathbf{12500 \text{ kg}}$$

(c) If $\frac{2}{5}$ of the cargo is off-loaded, how many tonnes of cargo is left?

$$\frac{2}{5} \times 3 = 1.2 \text{ tonnes}$$

$$3 - 1.2 = \mathbf{1.8 \text{ tonnes}}$$

1076 NADI SANGAM SCHOOL
YEAR 8 HINDI WEEKLY HOME STUDY PACKAGE :17- SOLUTION -
2021

पैषन 1

बोधन - Comprehension :इस अंश को पढ़कर नीचे दिए गए प्रश्नों के उत्तर दीजिए ।

दुनिया में हजारों जानवर हैं । इन सभी जानवरों में से कुत्ता को वफादार और स्वामी- भक्त जानवर माना जाता है । यह मालिक का हुक्म मानता है और अपने मालिक के लिए जान भी दे देता है ।

नानी का कुत्ता भी इसी श्रेणीमें आता है । वह गाँव वालों के लिए नानी थी मगर उसकी असली नाम किसी को मालुम नहीं था । नानी काफी बूढ़ी औरत थी । वह अकेली ही एक झोपड़ी में रहती थी । उसके पती की देहांत कब की हो गई थी । बच्चे नहीं थे जो उसकी देख-भाल करते । गाँव वालों के सहारे ही वह बाकी जिन्दगी गुजार रही थी । उस की मीठी वाणी और प्रेम व यवहार गाँव वालों को मोहित किए हुए थी । इसी लिए गाँव वाले उस की मदद हररूप में करते थे ।

उसका कुत्ता टोमी नानी का रखवाला था । वह नानी के कई कामों में मदद करता था । नानी लाठी लिए जिधर निकलती, टोमी उस के साथ होता था । रात को नानी जब सोती थी तब टोमी घर और नानी का पहरेदार बनता था ।

नानी भी उसे अपना बेटा जैसा ही मानती थी । वह उस के हिस्से का खाना देना कदापि भूलती नहीं थी । एक गहरा अटूट प्रेम था दोनों में ।

एक रात नानी की मृत्यु हो गई । टोमी लोगों का दरवाजा अपने पंजों से खटखटा कर उन्हें अपने घर लाया । कुत्ते की आँखों में आँसू देख उपस्थित लोग दुखी हो गए ।

दूसरे दिन नानी का अंतिम संस्कार कर दिया गया । सभी लोग अपने अपने घर लौट आए । किसी ने भी टोमी पर ध्यान नहीं दिया ।

तीसरे दिन जब लोग दूध की क्रिया सम्पण करने शमशान-भूमि गए तो टोमी को नानी के कब्र परलेटा पाया । वह मर चुका था । एक कुत्ते को इतना स्वामी भक्त देख कर उपस्थित लोगों की आँखेभर आई ।

प्रश्न १

प्रत्येक सवाल के चार जवाबदिए गए हैं । सही जवाब चुन कर उसकत बगल वाले अक्षर पर गोला कार निशान बनाइए ।

१. नानी का कुत्ता कैसा था ?

क. ईमानदार

ख. स्वामी-भक्त

ग. चालाक

घ. चतुर

२. नानी की वाणी कैसी थी ?

क. मधुर

ख. धीमी

ग. तेज

घ. मीठी

३. गाँव वालों को नानी की किस व्यवहार ने मोहित कर रखा था ?

क. दोस्ती ने

ख. मैत्री ने

ग. प्रेम ने

घ. सेवा ने

४. रात में टोमी क्या करता था ?

क. घूमता था

ख. पहरा देता था

ग. सोता था

घ. भौकता था

५. नानी की मृत्यु क्यों हो गई थी ?

क. बीमार थी

ख. घायल थी

ग. बूढ़ी थी

घ. दुर्बल थी

६. “वफादार” का विलोम शब्द क्या है ?

क. ईमानदारी

ख. दगाबाज

ग. बेईमान

घ. होशियार

७. टोमी लोगों को क्यों अपने घर लाया था ? क्योंकि नानी

क. बीमार थी

ख. भूखी थी

ग. दवा देनी थी

घ. मर गई थी

८. पाठ में आए “मृत्यु” शब्द का अर्थ है

क. बीमार

ख. जन्म

ग. देहान्त

घ. बेहोश

९. पाठ में आए “अंतिम संस्कार” का अर्थ है

क. क्रिया काम

ख. अस्पताल ले जाना

ग. पानी में छोड़ना

घ. अंतिम दर्शन करना

१०. तीसरे दिन लोग शमशान-भूमि क्यों गए थे ?

क. कुत्ते को खोजना

ख. गडहा खोदना

ग. कुत्ते को लेने

घ. दूध की क्रिया पूरा करने

दूसरा भाग- व्याकरण और प्रयोग

अ.

घ. अनीता -----मामा के घर घूमने गई थी।

क. अपना

ख. अपने

ग. अपनी

घ. अपनीं

ट. गाँव जाने के लिए यह रास्ता बहुत ----- है ।

क. लम्बा

ख. लम्बे

ग. लम्बी

घ. लम्बीं

ड. हर शनिवार को सब लड़कियाँ साथ बैठ कर ----- है।

क. पढ़ती

ख. पढ़ते

ग. पढ़ता

घ. पढ़तीं

ण. पूनम का भाई -----कक्षा में पढ़ता है ।

क. तीसरी

ख. तीसरे

ग. तीसरी

घ. तीसरा

थ. अगले रविवार को पायल का विवाह -----।

क. होगा

ख. होंगे

ग. होगी

घ. होंगे

आ. इन शब्दों का विलोम शब्द लिखो ।

1. प्रकाश- अन्धेरा 2. जन्म- मरन 3. हानि- फाएदेमंद 4. नीचे- उपर

5. गर्मी- ठंड

इ. इन शब्दों के स्त्रीलिंग लिखो ।

1. पुरूष- महिला 2. श्रीमान्- श्रीमती 3. वर- वधू

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 17 SOLUTION
ENGLISH

TREASURE ISLAND

Morgan: Pew (A) dead

Pew: Search him, you shirking lubber

Black Dog: Look, Pew, the chest. They've been here before us. Someone has turned the chest up.

Pew: Is it there? Flint's fist, is it there?

Black Dog: Can't see it here nohow.

Pew: Is it on Bill, then?

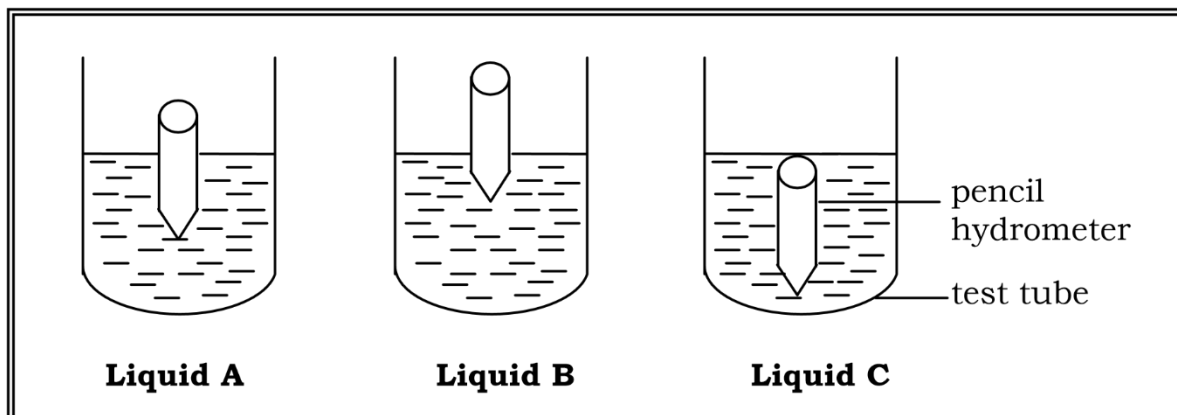
Morgan: Bill's been overhauled too. Nothing left

Pew: It's the _____. It's that _____.

- a) Where and what were they doing before this conversation takes place?
Mrs Hawkin and her son Jim were counting the coins in which Captain Billy owed them inside The Admiral Benbow Inn.
- b) Who Morgan referred to has died?
Captain Billy
- c) Describe Pew and what did he do to Captain Billy?
He is tall, thin and blind. Always dressed in black robe, has a black bandage round his eyes. He is very pale and needs a stick for moving.
- d) Explain the statement "Bill's been overhauled too. Nothing left"
It Probably mean that he has nothing with him at the very moment they saw him and trying to locate the Flint's Fist.
- e) What do you think was Pew's last statement?
Pew said and believed that it must be the people of the inn referring to Jim that must have taken the Flint's Fist (Pg 9)

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 17: SOLUTION
BASIC SCIENCE

1. A student performed the experiment shown below to find the order of density for three different liquids. Study the diagram to answer the questions given below.



- a) What instrument is used to measure the density of liquid?
Hydrometer
- b) Why is that instrument made thicker at the bottom?
To keep it upright when floating in liquid
- c) List the above liquid from most dense to least dense?
Most Dense to Least Dense
B ----- A-----C
- d) Give reasons for the above choice.
B has more pushing up power so it pushes the pencil to float compared to the others, while C has very less dense.
- e) Label Liquid A, Liquid B and Liquid C
A- salt and water solution
B- Brine (strong salt solution)
C- Water
- f) State some other uses of a hydrometer.
1. Test acid in car batteries
2. Test the concentration of milk

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 17 SOLUTION
NA VEIKA VAKA VITI

NA VAKACACALI

1. Vakamacalataka na ka e a yaco e na wase ni vola ka volai koto e ra.
Vakamacalataka o cei soti e vakaitavi kina vata na vanua e vakayacori kina .

- a) Wase 30 : Sa Yaco na Parofisai

Ira e Ra Vakaitavi : AK,ASLPK,Nailepica, Ira na vada,Lewe ni Koro

Veika e Yaco : Qoqolou na lewe ni koro e taudaku ni bai, dola na matamata, liutaki ira tiko mai ko ASLPK ka sa mavoa kece tu na yagona.Lako vakadodonu sara yani ko koya ki na vatu loaloa ka taura cake na nona matau , tabalaka e dua na qolou rerevaki , wiricaka non amatau ka qai taya sobu na vatu levu oqo ka kakavorovoro vakamatailalai.Ni oti oya qai davo sobu e na deladra na veitiki ni vatu koya ni sa mate.

- b) Wase 31: A I Vakataotioti

Vakaitavi – AK

Veika e Yaco: Sa buli e Tui ko SA.

Mate ko AK...E mate talega ko Soraisi ni rikaisavu kaqai vakamatei ni seg ani vinakat me tiko vakavesu.

1076 NADI SANGAM SCHOOL
YEAR 8 WEEKLY HOME STUDY PACKAGE 17
HEALTHY LIVING, 2021

SOLUTION

Use the picture and your knowledge to answer the question that follow



- (i) What is the wrong behavior in the picture?
crossing in the middle of the road/ wrong place.
Pedestrian not using the pedestrian crossing.
- (ii) Name the proper area to cross road.
Pedestrian crossing/Zebra crossing
- (iii) State two things that can happen to the two people crossing.
They can get pumped by the vehicle
- (iv) What do you think should be done to the careless road users as above?
Penalized – heavy fines should be imposed to law breakers.

Study this picture and answer the questions that follow



- (i) Identify the environmental issue above.
Pollution
- (ii) Why do people engage in this issue?
Careless/ do not have pride for their community/ country.
- (iii) What should be done to people that contributed to the above issue?
Heavy penalties should be applied to them.
- (iv) State two things you can do by reusing the things seen above.
•Use for making chain bottles
Use for planting flowers/plant.