1076 NADI SANGAM SCHOOL

WORKSHEET 11

HOME STUDY PACKAGE 8

SOLUTIONS

YEAR 7

2021

QUESTION TAGS

Question tags can be used in the positive and negative forms of sentences.

Note: A positive statement takes a negative question-tag.

A negative statement takes a positive question-tag.

EXAMPLES

POSITIVE STATEMENT	NEGATIVE QUESTION-TAG
1. John is sick,	isn't he?
2. You will be late for school,	won't you?
3. Today is Taniela's birthday,	isn't it?
4. Taniela goes to the Play Centre every day,	doesn't he?
5. The children ate the cake,	didn't they?

NEGATIVE STATEMENT	POSITIVE QUESTION-TAG
1. Your dog won't bite,	will it?
2. The girls are not eating cake,	are they?
3. The sun is not shining,	is it?
4. Those boys would not listen,	would they?
5. Timoci did not take the money,	did he?

<u>EXERCISE</u>

Complete each sentence with a question-tag.

1.   He sang last night, *didn't he?*
2.   Alice is a good girl, *isn't she?*
3.   He will come home early, *won't he?*
4.   He should ask me first, *shouldn't he?*
5.   Ali has passed the test, *hasn't he?*
6.   The coffee isn't sweet, *is it?*
7.   That woman isn't your mother, *is she?*
8.   The girls aren't leaving now, *are they?*
9.   You did not sweep the floor, *did you?*
10. She plays the piano well, *doesn't she?*

FRACTIONS AND DECIMALS OF MONEY

1. Convert the following fraction to dollars and cents.

a) $\frac{1}{2}$ of $12 = $6   b) $\frac{2}{8}$ of $60 = $15   c) $\frac{3}{5}$ of $1200 = $720

2. Change the following decimal number to dollars and cents.
a) 0.25 of a dollar = $0.25   b) 0.75 of $5.00 = $3.75   c) 0.6 of $60 = $36

3. During the school bazaar, the parents raised $50 000. The money had been distributed according as shown in table given below.

Schools Needs	Allocation
School Maintenance	0.3 x 50,000 = $15,000
New Photocopier	0.1 x 50,000 = $5,000
New Computers	0.2 x 50,000 = $10,000
New Classroom	o.4 x 50,000 = $20,000

Find the amount of money allocated for each of the school needs above.

USING PERCENTAGE

1. a) Express 10cents as a percentage of $1   b) What percentage of $40 is $20?

$\frac{10}{100} = \frac{1}{10}$ x 100 = 10% $\frac{20}{40} = \frac{1}{2}$ x 100 = 50%

2. What percentage is
a) 50cents of 500cents?   b) $40 of $1000   c) $100 of $20 00

$\frac{50}{500}$ x 100 = 10% $\frac{40}{1000}$ x 100 = 4% $\frac{100}{2000}$ x 100 = 5%

3. During the Annual School Bazaar, Year 1 collected $1000, Year 4 collected $1500, Year 6 collected $2500 and Year 8 collected $3000. $1000 + $1500 + $2500 + $3000 = $8000
What percentage of the money was collected by

a) Year 8   b) Year 6   c) Year 4   d) Year 1

$\frac{3000}{8000}$ x 100 $\frac{2500}{8000}$ x 100 $\frac{1500}{8000}$ x 100 $\frac{1000}{8000}$ x 100

= 37.5%   = 31.25%   = 18.75%   = 12.5%

INTERESTS

Exercise:
1. Calculate the interest.

a) 10% for 1 year on $100   b) 5% for 2 years on $50

p = 100   r = 10   t = 1   p = 50   r = 5   t = 2

$I = \frac{p \times r \times t}{100}$ $I = \frac{p \times r \times t}{100}$

$I = \frac{100 \times 10 \times 1}{100}$ $I = \frac{50 \times 5 \times 2}{100}$

= $10   = $5

$$I = \frac{P \times R \times T}{100}$$

Where:
I = the Interest Money created in dollars
P = the "Principal" starting amount of money
R = the Interest Rate per year (in decimal form)
T = the Time the money is Invested,

2. Johnson deposited $240 in his savings account for 4years. The bank pays an interest of 2.5 % per annum. How much interest would he get?
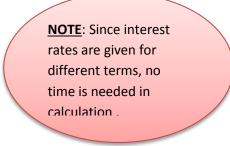
p = 240   r = 2.5   t = 4 $I = \frac{240 \times 2.5 \times 4}{100} = \$24$

3. Maciu puts $6 500 in her savings account at the bank on 20th November 2012 and plans to withdraw the money on 20th November 2016. Work out the interest he will earn of the interest rate is 8.5% per annum?

p = 6500   r = 8.5   t = 4 $I = \frac{6500 \times 8.5 \times 4}{100} = \$2210$

4. The table below shows the interest rate offered by HFC Bank.

Interest Rates for Term Deposits

3months	2.75%
6months	3.5%
9months	4%
12months	5%
24months	7.25%
36months	8.5%
48months	9.75%

NOTE: Since interest rates are given for different terms, no time is needed in calculation .

a) Calculate the interest if $5000 is deposited in the bank for:

   i) 1 year   p = 5000   r = 5 $I = \frac{5000 \times 5}{100} = \$250$

   ii) 3 years   p = 5000   r = 8.5 $I = \frac{5000 \times 8.5}{100} = \$425$

   iii) 6 months p = 5000   r = 3.5 $I = \frac{5000 \times 3.5}{100} = \$175$

b) How much interest would the bank pay if $1500 was deposited for

   i) 2years   p = 1500   r = 7.25 $I = \frac{1500 \times 7.25}{100} = \$108.75$

   ii) 3 months p = 1500   r = 2.75 $I = \frac{1500 \times 2.75}{100} = \$41.25$

   iii) 9 months p = 1500   r = 4 $I = \frac{1500 \times 4}{100} = \$60$

Which ones earns more simple interest? When the principal is $5000

Why? The more the principal the higher the interest.

1076 NADI SANGAM SCHOOL
YEAR 7
BASIC SCIENCE
WEEKLY HOME STUDY PACKAGE 8
SOLUTION

Activity

1. Food and vegetables are kept fresh at home in the refrigerator.

2. Ceiling fans are used to keep classroom cool on hot days.

3. Electricity is the most common source of energy used in school.

4. Electricity is renewable if it comes from hydro plant. However in our school it's a combination of renewable and non-renewable source.

5. Ceiling fans use the most energy in our school.

6. Copy and complete:

Energy is all around us and it exists in different forms. The energy which comes from the sun is known as solar and is useful to men, plants and animals in many ways. Energy is also generated from water and wind. This makes our work easier and quicker.

Man has invented different types of machines that use either renewable or non- renewable energy to suit his needs.

WEEKLY HOMESTUDY PACKAGE 11

SOLUTION

Tuvalu

Activity:

1. Due to climate change causing sea level to rise, Tuvalu is one of the countriesthat is mostly affected.

- What is climate change?

Climate change is an average change in the weather pattern.

- What is causing the rise of sea level?

The melting of the ice caps at the North Pole.

- What is the capital of Tuvalu?

Funafuti

Cook Islands

Activity:

1. Name the major islands in the Cook Islands?

Rarotonga, Maueke

2. What is the capital of Cook

   Islands?

Rarotonga

3. Name the person this island was named after?

Captain James Cook

संस्कृति – पाठ ५

क. हर एक को अपने *धर्म (कर्त्तव्य)* को समझना चाहिए ।

ख. कर्त्तव्य – पालन से मनुष्य की *सुन्दरता* भी बढ़ जाती है ।

ग. पेड़ों का धर्म है, *फल और फूल* देना ।

घ. *प्रकृति का* हर अंश अपने कर्त्तव्य पालन में लगा हुआ है ।

पिरितार्थक शब्द

खुद	–	दूसरों / औरों
प्रसन्न	–	अप्रसन्न
जीवन	–	मरन
सम्मान	–	अपमान
सुखी	–	दुखी

कविता

१. गाँव में एक भिखारी आया था ।

२. कविता में माँ की भुमिका भिखारी को समझाना है ।

३. रोटी को खुद कमाने को कहा गया है ।

४. भीख माँगना बुरी बात है कयोंकि मेहनत से सब चीजें मिलती है ।

५. अब भिखारी को अकल है आया । इस वाक्य का अर्थ है कि वह मेहनत करके अपना गुजारा करेगा ।