

DARUL HUDA ISLAMIC SCHOOL, AL AIN

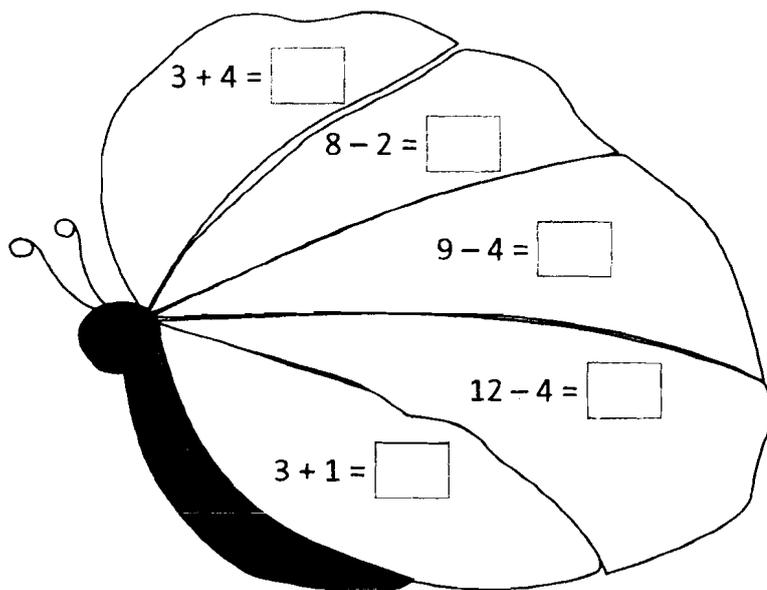
Winter Holiday Assignment 2017-2018

Mathematics

Name: _____ Grade : 1 _____

I. Colour the parts of the picture according to the answer.

4 Red 5 Orange 6 Yellow 7 Pink 8 Green



II.

January April February March June
July August October November
May December September

List the months in the correct order.

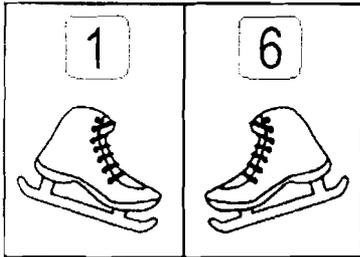
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

III.

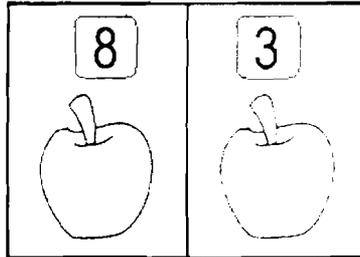
Look at these two numbers. Which one is odd or even number?

Color the picture that has odd or even number.

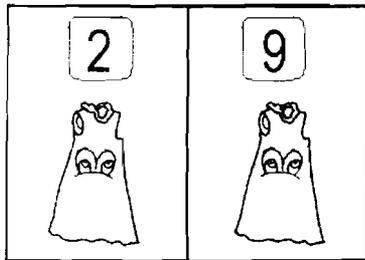
1. Color picture that has even number.



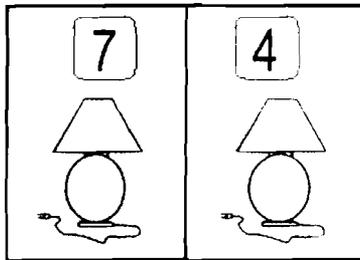
4. Color picture that has odd number.



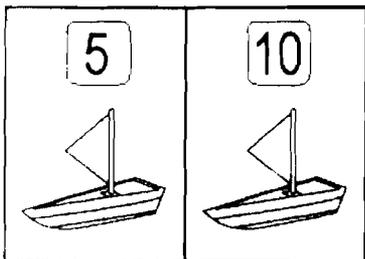
2. Color picture that has even number.



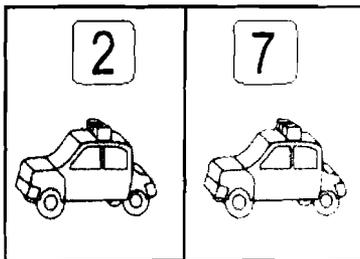
5. Color picture that has odd number.



3. Color picture that has even number.



6. Color picture that has odd number.



IV.

Days of the Week

Write in the correct order.

Sunday	Sunday
Tuesday	
Thursday	
Saturday	
Monday	
Wednesday	
Friday	

DARUL HUDA ISLAMIC SCHOOL, AL-AIN
HOLIDAY ASSIGNMENT 2017-2018

ENGLISH

NAME:.....ROLL NO:.....GRADE :1

I. Make sentence with these words.

1. friend:.....
2. clever:.....
3. greedy:.....
4. enemy:.....
5. please:.....

II. Use the words from the given box to write about the sky.

[clouds ,sun ,dark , blue ,moon ,stars]

The sky is.....in colour. There are white.....in the sky. We see the.....in the day time. At night, we see the.....and the.....in the.....sky.

III. Arrange these words in alphabetical order.

[hunt, rice, flap, rain, tree, mouse, tired, free]

- | | |
|--------|--------|
| 1..... | 2..... |
| 3..... | 4..... |
| 5..... | 6..... |
| 7..... | 8..... |

IV. Circle the doing words in each set.

1. pen, desk ,dance ,ear
2. walk, tiger ,apple ,jug
3. juice, chair ,market ,jump
4. father, car ,teeth ,play
5. owl, nail ,mango ,talk

V. Learn the spelling of these words.

- | | | | | |
|----------|--------------|--------------|-------------|---------------|
| 1. Games | 2. Badminton | 3. Neat | 4. Bright | 5. Permission |
| 6. Sighs | 7. Dumb | 8. Beautiful | 9. Daughter | 10. Graceful |

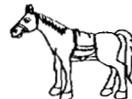
Unscramble the jumbled letters to find out the names of the animals.

1. AKENS -
2. OSERH -
3. ARBTIB -
4. SFHI -
5. ZILRDA -

Write 'W' for wild animals, 'D' for domestic animals and 'P' for pet animals.







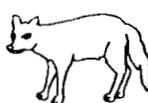


















PUZZLE

Find out the names of three animals and three birds from the word search. Write them in the space.

ANIMALS

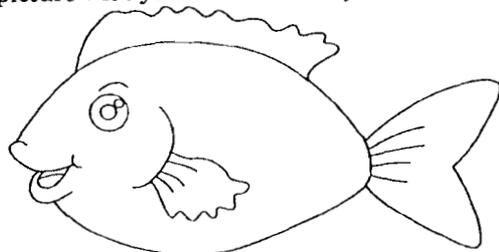
1.
2.
3.

B	E	A	R	L	B	D
C	N	J	O	I	F	O
R	T	I	W	O	R	G
O	U	S	L	N	U	N
W	P	A	R	R	O	T

BIRDS

1.
2.
3.

Colour the picture with your favourite crayons.



DARUL HUDA ISLAMIC SCHOOL, AL AIN

WINTER HOLIDAY ASSIGNMENT (2017-18)

ENGLISH

GRADE: II DIV:.....

DATE:

NAME:

ROLL NO:

1) Read unit -12 "The Old Woman's Animals" in the main course book

2) Solve the following puzzle

 **Winter Fun** 

M	I	T	S	H	O	V	E	L	C	O	M
F	R	E	E	Z	E	B	O	O	S	K	I
L	C	S	K	A	T	E	P	H	L	S	T
A	I	C	E	P	L	C	L	A	K	N	T
K	T	A	X	B	B	O	O	T	S	O	E
E	Q	R	S	L	D	L	W	B	X	W	N
H	A	F	S	L	E	D	C	O	D	L	S

Find these words in the puzzle. Words are hidden → and ↓.

BOOTS	SCARF
COLD	SHOVEL
FLAKE	SKATE
FREEZE	SKI
HAT	SLED
ICE	SNOW
MITTENS	



DARUL HUDA ISLAMIC SCHOOL AL-AIN

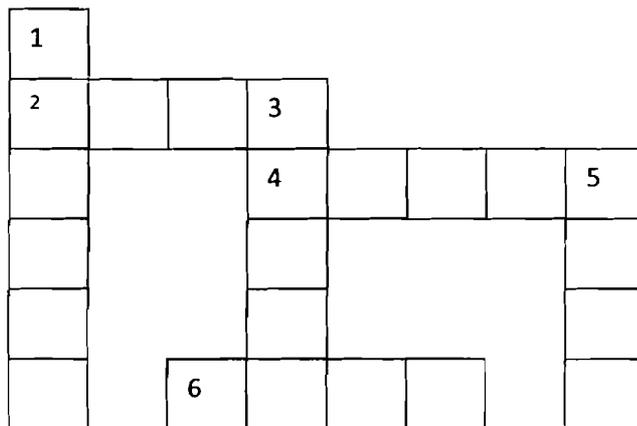
HOLIDAY ASSIGNMENT

ENVIRONMENTAL STUDIES

Grade : II

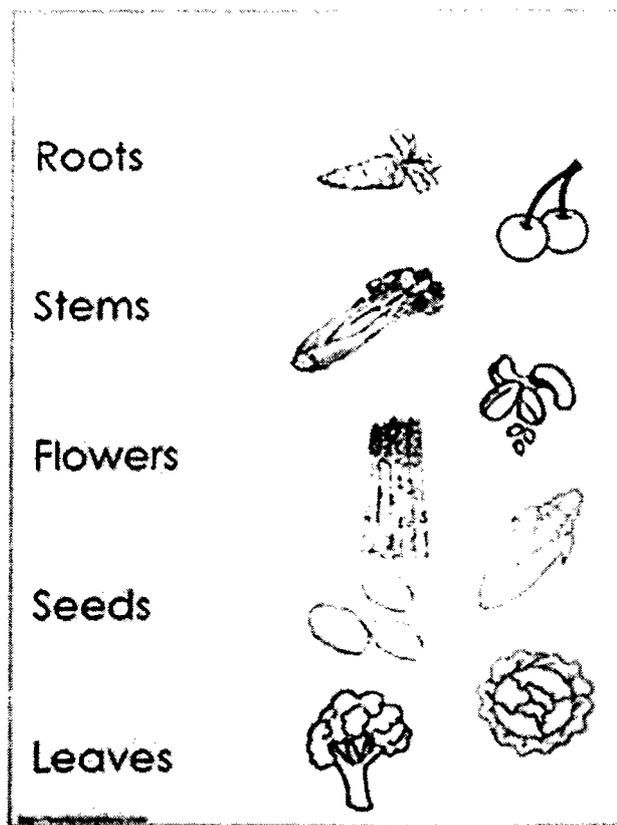
1. Solve the cross word using the clue box.

Flower	fruit	leaf	roots	seed	stem
--------	-------	------	-------	------	------



Across	Down
2. Plant part that catches light and makes food.	1. plant part that grows seeds.
4. Plant part that takes in water and holds it in place.	3. plant part that holds seeds
6. the stalk or trunk of a plant that holds it up and takes water to the leaf	5. plant part that can grow into a new plant

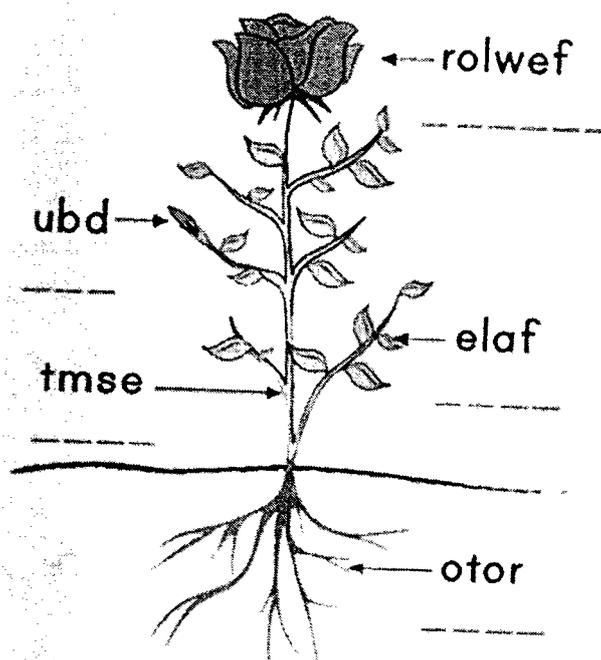
2. Identify the plant part that we eat.



3. Collect the leaves of different plants. (pick only the fallen leaves).

Draw a big tree on a chart paper. Paste the leaves you have collected on your tree.

4. Unscramble the letters to name the different parts of a plant.

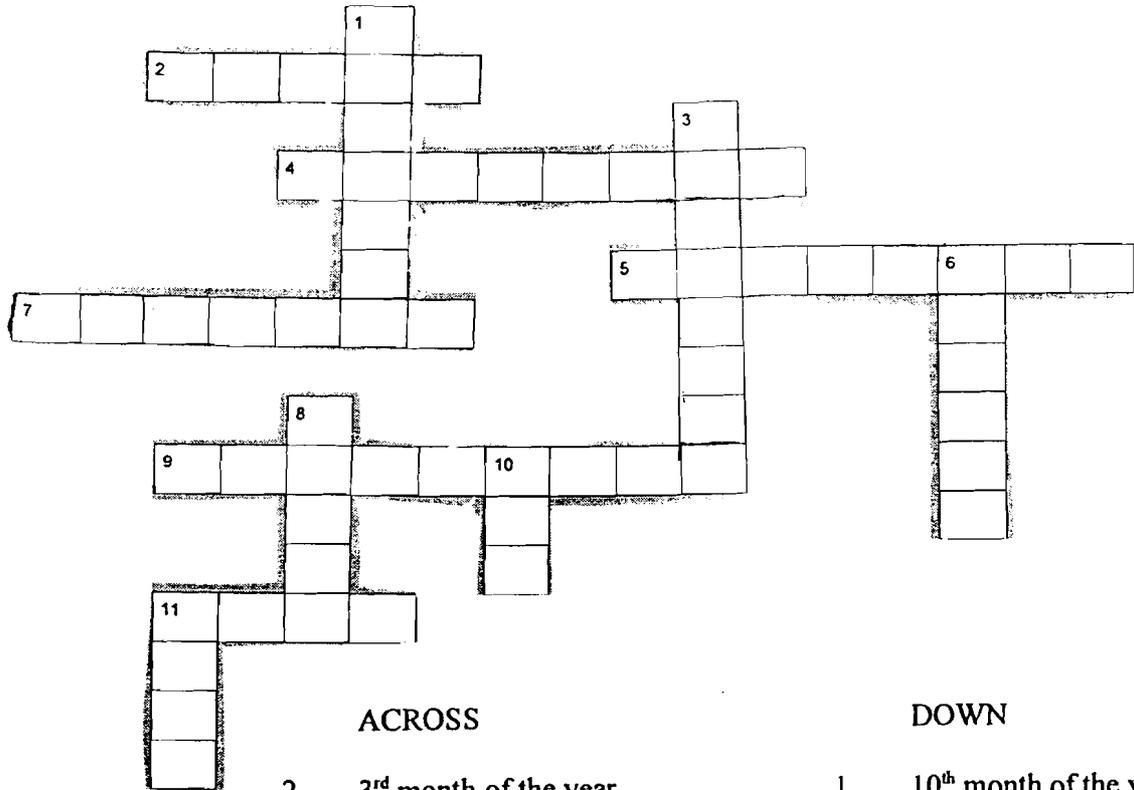


Darul Huda Islamic School, Al Air.
 Winter Holiday Assignment 2017-2018
 Mathematics

Name:-----

Grade: 2

1. Solve the cross word puzzle:



ACROSS

- 2. 3rd month of the year
- 4. 11th month of the year
- 5. The month before March
- 7. 1st month of the year
- 9. The month after August
- 11. 7th month of the year

DOWN

- 1. 10th month of the year
- 3. Last month of the year
- 6. The month after July
- 8. The month before May
- 10. 5th month of the year
- 11. The month after May

2. Find the following:

a.
$$\begin{array}{r} 620 \text{ ML} \\ + 328 \text{ ML} \\ \hline \end{array}$$

b.
$$\begin{array}{r} 298 \text{ g} \\ + 187 \text{ g} \\ \hline \end{array}$$

c.
$$\begin{array}{r} 274 \text{ ML} \\ - 121 \text{ ML} \\ \hline \end{array}$$

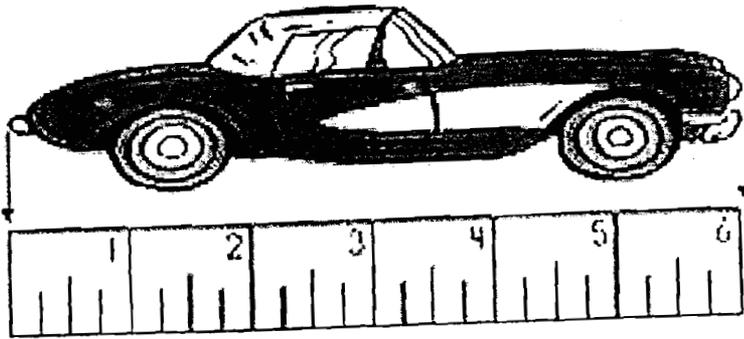
d.
$$\begin{array}{r} 423 \text{ g} \\ - 174 \text{ g} \\ \hline \end{array}$$

3. Collect and stick three pictures of each objects which are sold by measuring

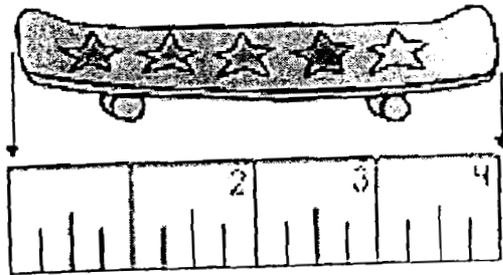
- a. Length b. Capacity c. Weight

4. Write how long each item is in centimetres:

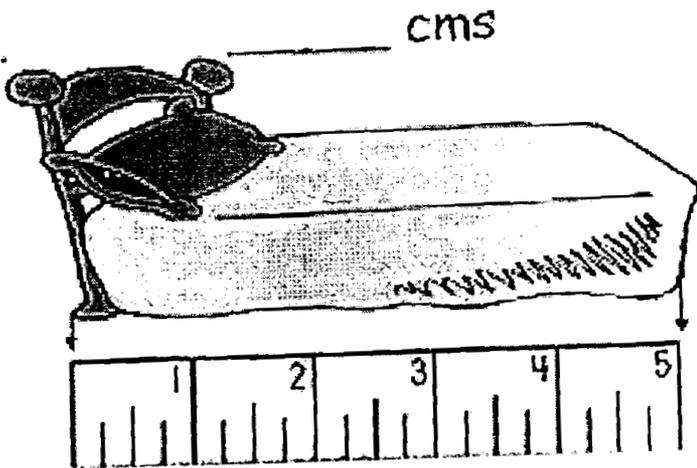
1.



2.



3.

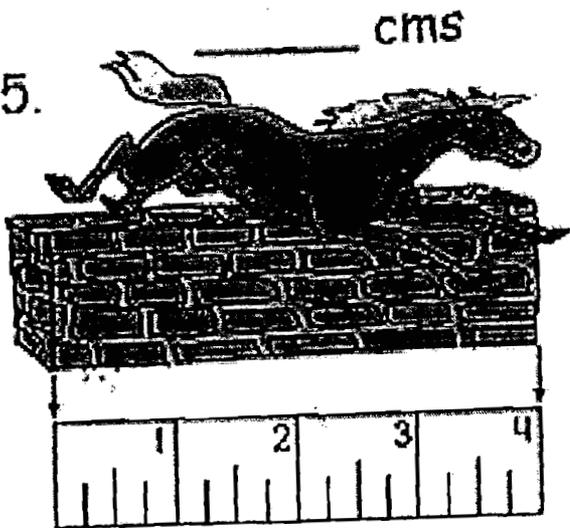


_____ cms

4.

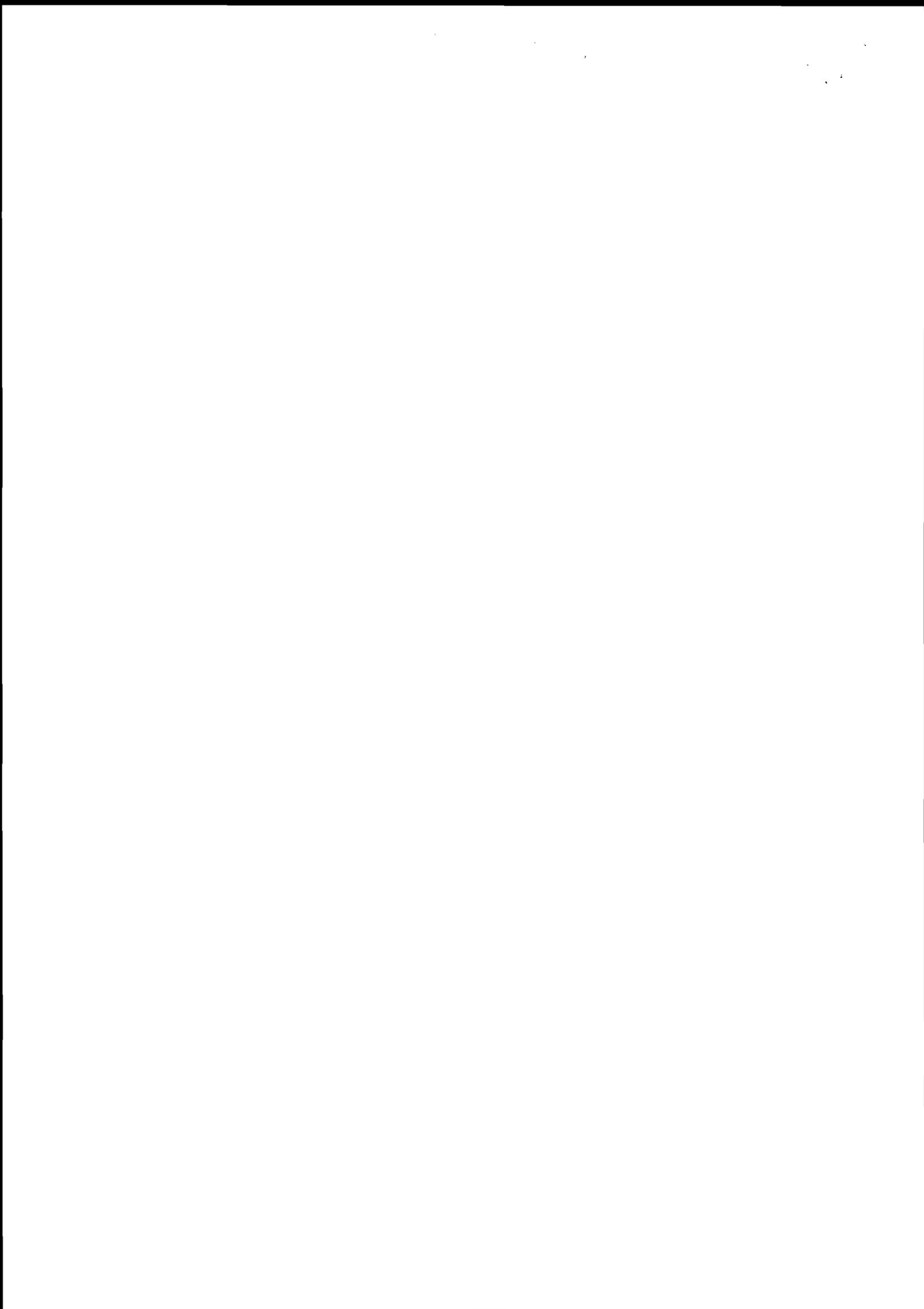


5.



_____ cms

_____ cms





GR: III

Sub: Mathematics

Name: _____

R. No: _____

Div: _____

1. Fill in the blanks.

a. 1 litre = ml

b. 2 litre = ml

c. 7 litre = ml

d. 3 litre 270 ml = ml

2. Tell the measurement units of the followings?

a. Milk is measured in

b. Cloth is measured in

c. Oil is measured in

d. Rice is measured in

e. Water is measured in

f. Fruits are measured in

g. Gold is measured in

3. Complete the following.

a. How many half litres in 2 litres? =

b. How many quarter litres in 1 litres? =

c. 3 litres + 2 litres =

d. 7 litres + 3 litres =

e. 9 litres - 2 litres =

f. 45 litres - 15 litres =

g. 2 litres + 350 ml =

h. 5 litres + 470 ml =

i. 520 gm + 499 gm = kg gm

j. 500 gm = kg

k. 400 gm + 800 gm = kg gm

l. $\frac{3}{4}$ kg + gm

m. 3 kg + gm

Recite regularly Multiplication tables 2 to 10 _ Multiplication songs for children _ elearnin - YouTube (360p)

Visit: http://bestcoloringpages.com/measurement-of-capacity_2d51.html and do the work for more Practice

1. Do the following addition.

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 50 \quad 300 \\ + 30 \quad 750 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 50 \quad 703 \\ + 20 \quad 720 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 7 \quad 320 \\ + 2 \quad 525 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 5 \quad 420 \\ 3 \quad 350 \\ + 9 \quad 950 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 9 \quad 920 \\ 3 \quad 820 \\ + 4 \quad 752 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 5 \quad 450 \\ 3 \quad 900 \\ + 7 \quad 256 \\ \hline \end{array}$$

2. Do the following subtraction.

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 42 \quad 300 \\ - 25 \quad 200 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 25 \quad 500 \\ - 20 \quad 400 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 20 \quad 300 \\ - 17 \quad 100 \\ \hline \end{array}$$

3. a. $\frac{1}{4}$ of 25320 ml =

b. $\frac{1}{4}$ of 2000 ml =

c. $\frac{1}{2}$ of 10250 ml =

d. $\frac{1}{2}$ of 3000 ml =

e. $\frac{3}{4}$ of 1200 ml =

f. $\frac{3}{4}$ of 1600 ml =

4. Fill in the blanks.

a. 1 kilogram = gms.

f. 3 kg 550 gm = gm

b. 20 × 100 gram = kg.

g. 7 kg 750 gm = gm

c. 10 × 250 gram = kg.

h. 3000 gm = kg

d. 2000 gm = kg

i. 2 kg 80 gm = gm

e. 6 kg 5 gm = gm

j. 2 kg 400 gm = gm

k. 3580 gm = kg gm

5. Collect pictures of currencies of 5 different countries and stick in a chart paper.

Wish You Happy Holidays & A Prosperous New Year



DARUL HUDA ISLAMIC SCHOOL, AL-AIN,

HOLIDAY ASSIGNMENT ENGLISH

DATE: _____

DARUL HUDA ISLAMIC SCHOOL, AL-AIN,
HOLIDAY ASSIGNMENT ENGLISH

GRADE: 3 DIV: ____

DATE: _____

ROLL NO: _____

NAME: _____

1. Complete the Reading Comprehension Unit-13 and Composition book page no: (64-69).

2. Complete the pages 53 to 59 in the Cursive Writing Book.

3. Learn the spelling of these new words.

a. Carriage

b. Wee

c. Roomy

d. Pout

e. Journey

4. Write suitable questions for the following answers.

a. I am fine, thank you.

Ans: _____.

b. My favourite subject is Mathematics.

Ans: _____.

c. My father is a doctor and my mother is a teacher.

Ans: _____.

d. I do not have any brothers or sisters.

Ans: _____.

e. This car is mine.

Ans: _____.

5. We often come across children living on the streets Who have no shoes to protect their feet. What would you do if you saw such children? How would you help them?

145

DARUL HUDA ISLAMIC SCHOOL AL-AIN

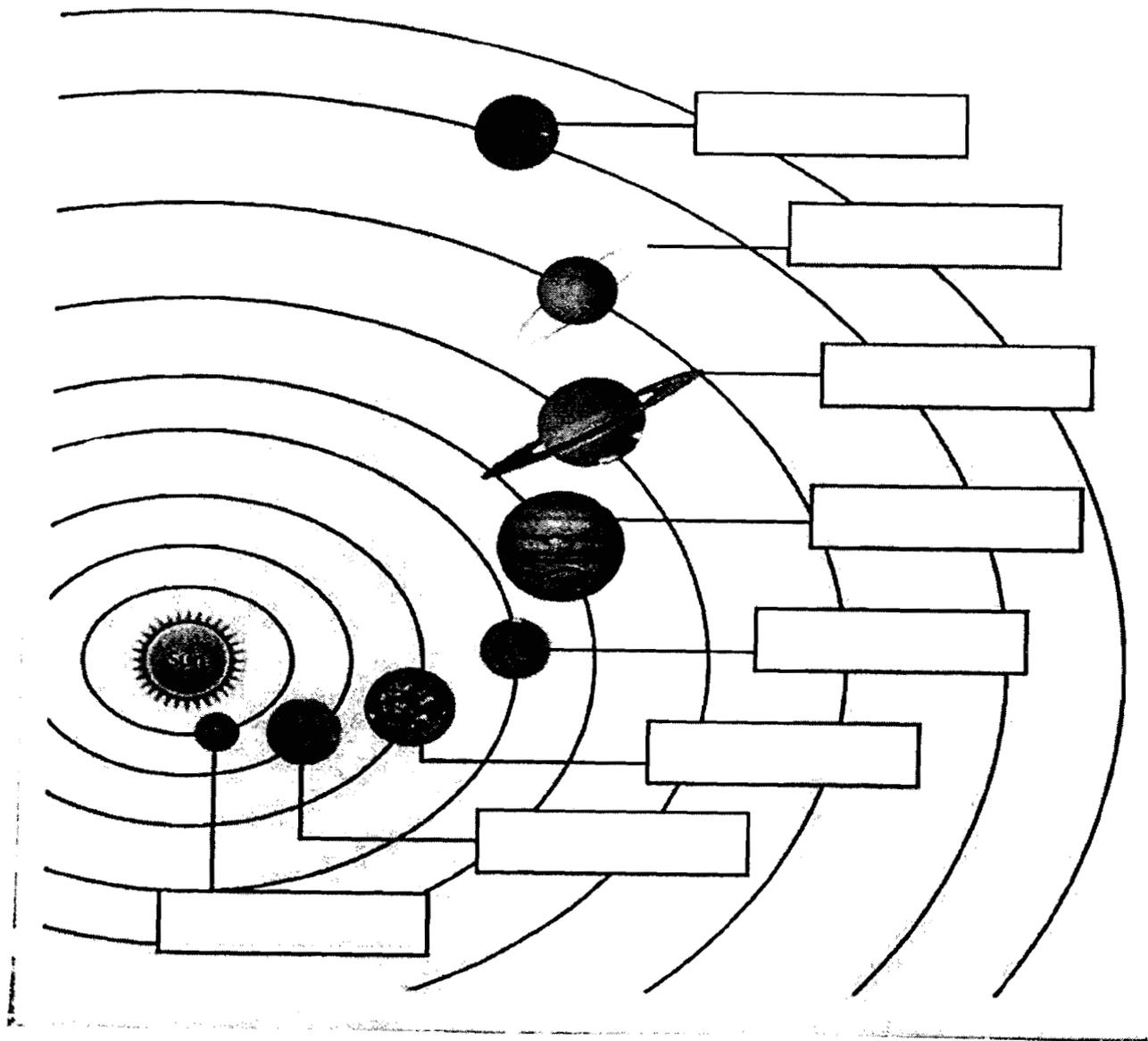
Winter Holiday Assignment, 2017-18

Subject: Environmental studies

Name of the student: _____

Grade: III ___

I. Identify the planets and write their names.



II. Make a model of phases of the moon.

III. Collect information about the following astronauts and write about them in your note book.

a) Neil Armstrong.

b) Rakesh Sharma.



DARUL HUDA ISLAMIC SCHOOL ALAIN

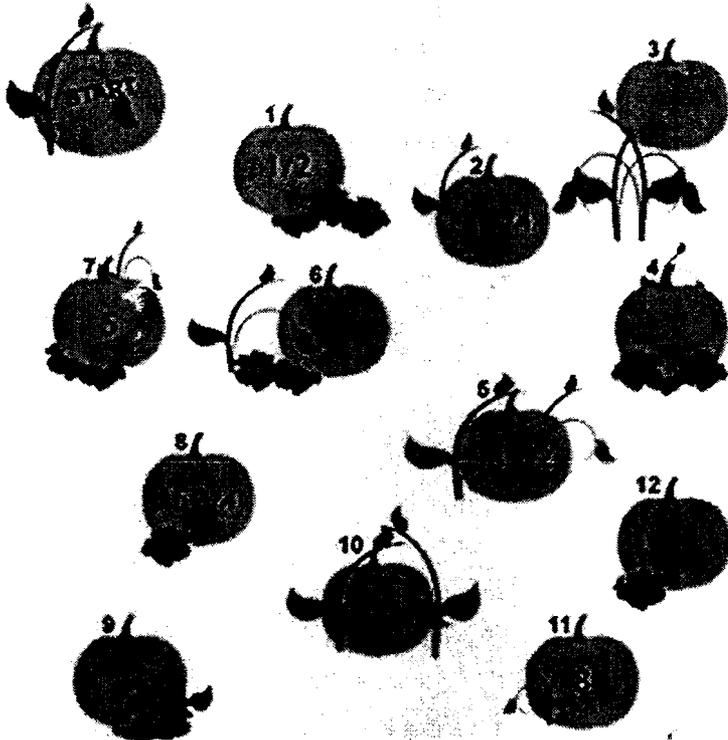
WINTER HOLIDAY ASSIGNMENT 2017 – 18

Grade:4

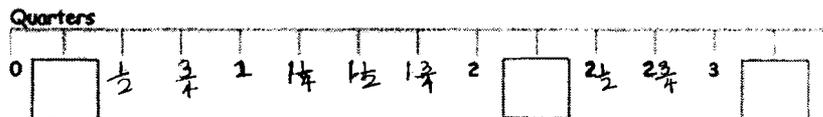
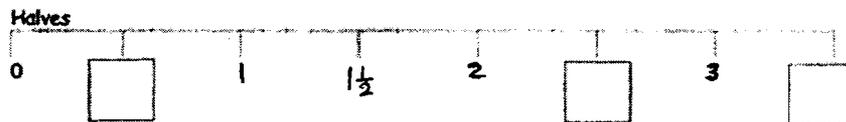
Mathematics

1. The math pattern of the numbers as you make your way through the pumpkin patch.

Figure out the pattern of the numbers as you make your way through the pumpkin patch. Fill in the correct answers in the blank pumpkins.



2. Finish these number lines by filling in the boxes



Challenge! Make your own number line and show where the halves, quarters and whole numbers are.

3.

EQUIVALENT FRACTIONS FRACTION WALL

1 WHOLE									
$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{3}$			$\frac{1}{3}$			$\frac{1}{3}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$			
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$		$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{10}$									

If two fractions are equivalent, it means that they are equal.

Use the fraction wall to answer the questions below.

- 1) How many quarters make a half? ____
- 2) How many sixths make a half? ____
- 3) How many eighths make a half? ____
- 4) How many sixths make a third? ____
- 5) How many tenths make a fifth? ____
- 6) How many tenths make a half? ____

Fill in the equivalent fractions below.

$\frac{1}{2} = \frac{\quad}{4}$

$\frac{1}{2} = \frac{\quad}{6}$

$\frac{1}{2} = \frac{\quad}{8}$

$\frac{1}{3} = \frac{\quad}{6}$

$\frac{1}{5} = \frac{\quad}{10}$

$\frac{1}{2} = \frac{\quad}{10}$

4. Add the following fractions

$$\text{a) } \frac{4}{11} + \frac{8}{11} + \frac{10}{11}$$

$$\text{b) } \frac{9}{15} + \frac{5}{15}$$

5. subtract the following fractions

$$\text{a) } \frac{25}{27} - \frac{18}{27}$$

$$\text{b) } \frac{19}{21} - \frac{13}{21}$$

DARUL HUDA ISLAMIC SCHOOL, AL-AIN

Winter Holiday Assignment, 2017-'18

General Science

Name :

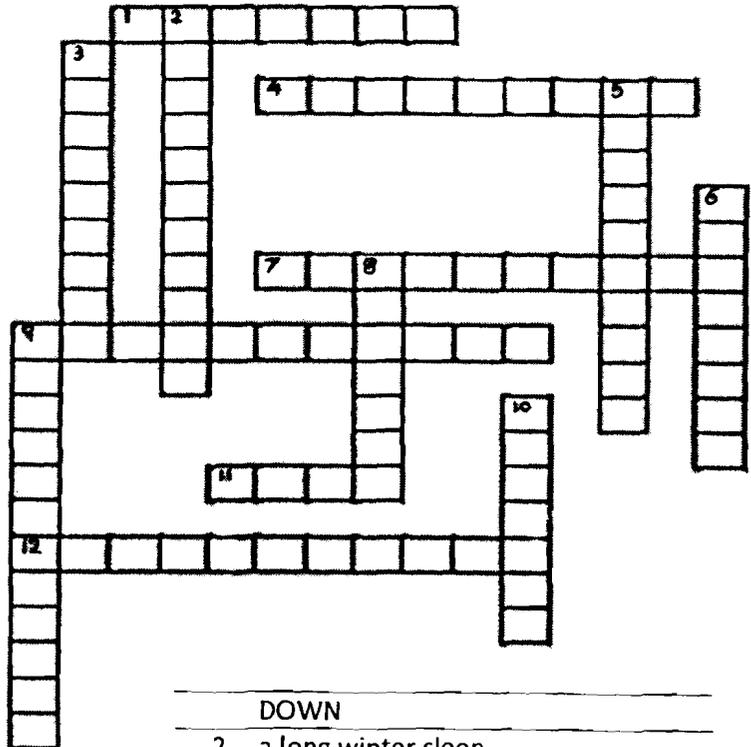
Grade : 4

1. Complete the given crossword using words related to adaptation :

ADAPTATION CROSSWORD PUZZLE :

Word Bank

- Competition
- Defense
- Shelter
- Predator
- Prey
- Camouflage
- Environment
- Migration
- Echolocation
- Nocturnal
- Adaptation
- Hibernation
- Mimicry



ACROSS

- 1 where you live
- 4 only comes out at night
- 7 keeps you hidden
- 9 everything around you
- 11 becomes food for another
- 12 struggle between two

DOWN

- 2 a long winter sleep
- 3 a seasonal relocation
- 5 characteristics that help an organism survive
- 6 what prey wants to avoid
- 8 looking like something else
- 9 using sound waves to get around
- 10 protecting yourself

2. (A fact file is a collection of information about a particular subject or product)

An Extinct animal is one that no longer exists on Earth. Animals become extinct due to many reasons. Find an animal that is extinct. Create a fact file about that animal.

Your fact file should include information like – name of the animal, where it lived (its habitat), features of the animal, How do scientists think the animal became extinct, picture of the animal, any interesting fact about that animal.

3. Make a list of egg-laying animals and animals that give birth to young ones (mammals). (5 each with pictures).

DARUL HUDA ISLAMIC SCHOOL-AL AIN

Winter Holiday Assignment 2017-18

Grade:4

Social Studies

1. Collect and stick the pictures of any four means of personal communication and any four means of mass communication.
2. Write a letter to your friend about your picnic, make an envelope and keep your letter in the envelope.(Hints: Make an address and a stamp)
3. List the international airports in the UAE and name the place where these airports are located.

11/12

1/60

DARUL HUDA ISLAMIC SCHOOL, AL-AIN

WINTER HOLIDAY ASSIGNMENT-2017

GRADE: IV ENGLISH

1. Rearrange these sentences to make a story. Then rewrite the story in a paragraph.

- a. He left a thousand iron bars with his friend for safe keeping. ----
- b. The merchant was shocked, but kept quiet.-----
- c. There was a merchant who sold iron bars.----
- d. He invited the friend's son to dinner and kept him in his house.-----
- e. One day he decided to go to a distant country on business.-----
- f. The friend realized his fault and returned the iron bars.-----
- g. After some months, the merchant returned and asked his friend for iron bars.----
- h. The merchant said that his son had been carried away by a sparrow.-----
- i. The greedy friend said that the bars had been carried eaten by rats.-----
- j. The two became good friends again.-----
- k. The merchant returned the friend's son and advised his friend not to be greedy any more. -----

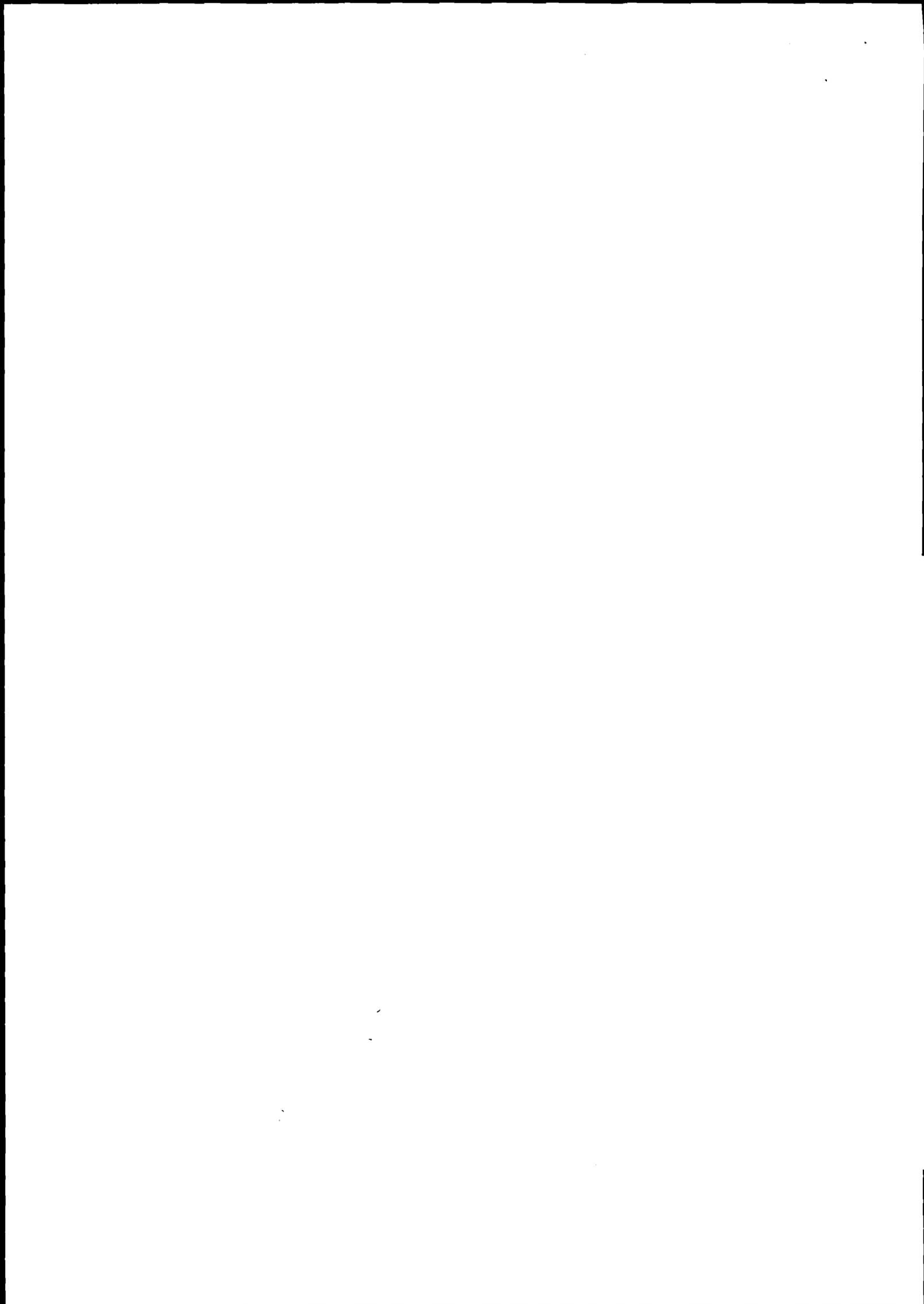
2. Write a short paragraph about yourself.

3. Punctuate the passage using capital letters, inverted commas, full stops, commas and question marks.

amit was very angry because anitha had forgotten to put the book back on the book shelf whose book it is asked anitha mine said amit so who should put it back argued anitha you came the reply because i always pack your box of crayons.

4. Choose the correct word from the two options given in each bracket to complete the paragraph.

Last week, my sister, along with -----(his/her) two daughters ----- (comes/ came) to ----- (our/us) house. One day, when I ---- (read/ was reading) a book, Vanshika, ----- (a/the) ----- (younger/youngest) one came to me and -----(asked/was asking), 'How ----- (much/many) is forty-five multiplied by eleven? While ----- (I/ me) started doing ----- (a/ an) mental calculation, ----- (he/she) promptly ----- (says/ said), 'It's four hundred and ninety-five'.



Enhance Your Life Skills.....

Does the shape of a bird's beak affect the kind of food it eats? Closely observe the size of feathers and wings of any three birds. Now observe how they fly. Discuss how the size of the wings affects the way birds fly.

Explore

Animals found in oceans are also of various types, depending on whether they live in the upper layers, middle layers or near the bottom of the ocean. Find out more about these animals and their adaptations.

Project

Collect 10 stamps of animals living in different habitats. Paste them in your science notebook. Write a short note on the animals' body coverings, movements and breathing methods.

HOTS

1. Snakes do not have limbs, yet they are able to move from one place to another. How?
2. A sparrow can fly while an ostrich cannot. What enables a sparrow to fly?
3. Names of body parts are given in the box below. Choose the correct names associated with the insect shown below and write them against their functions.



Wings, feathers, legs, gills, spiracles,
proboscis, lungs, cuticle, bones, scales

- a. Air enters and carbon dioxide is removed from the body through these.
- b. It is a waxy and water-resistant outer covering that protects the body.
- c. These help in movement from one place to another.
- d. These help in flying.

Many poems have been written about animals by different poets. Some of the poems are humorous or funny. Find out one such poem for yourself.

155-

DARUL HUDA ISLAMIC SCHOOL AL AIN

WINTER HOLIDAY ASSIGNMENT 2017 – 18

Grade:5

Mathematics

1.

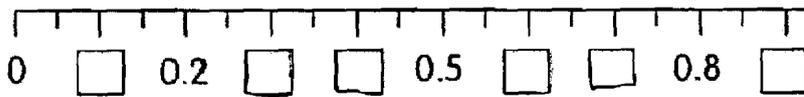


Help me choose the matching card

0.5	0.1	0.2	0.75	0.25
0.7	0.9	0.3	0.4	0.6

$\frac{1}{10}$	$\frac{6}{10}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{2}{10}$	$\frac{3}{4}$	$\frac{9}{10}$	$\frac{4}{10}$	$\frac{3}{10}$	$\frac{7}{10}$
----------------	----------------	---------------	---------------	----------------	---------------	----------------	----------------	----------------	----------------

Fill in the missing numbers



2. Add or subtract the following fractions

a) $\frac{6}{9} + \frac{4}{5}$

b) $\frac{5}{14} - \frac{2}{7}$

c) $\frac{8}{12} + \frac{11}{6}$

3. Colour the square grid as per the instructions below :

❖ Yellow colour = 0.15

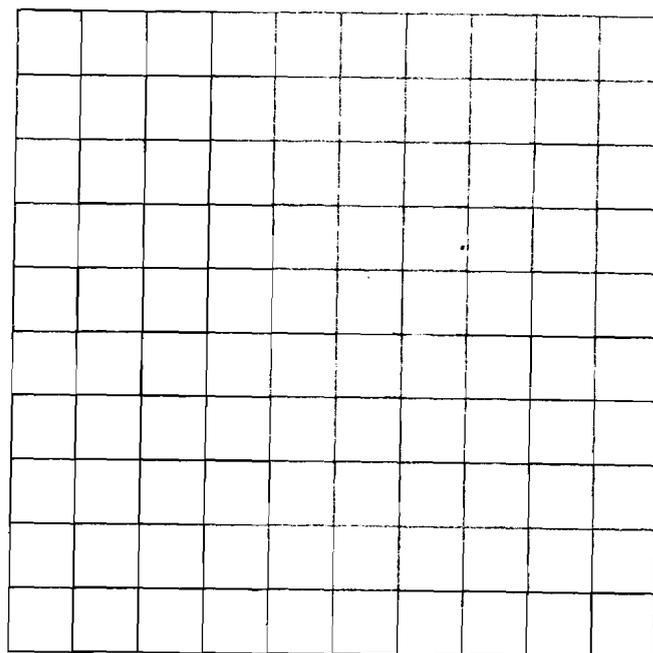
❖ Blue colour = 0.20

❖ Red colour = 0.20

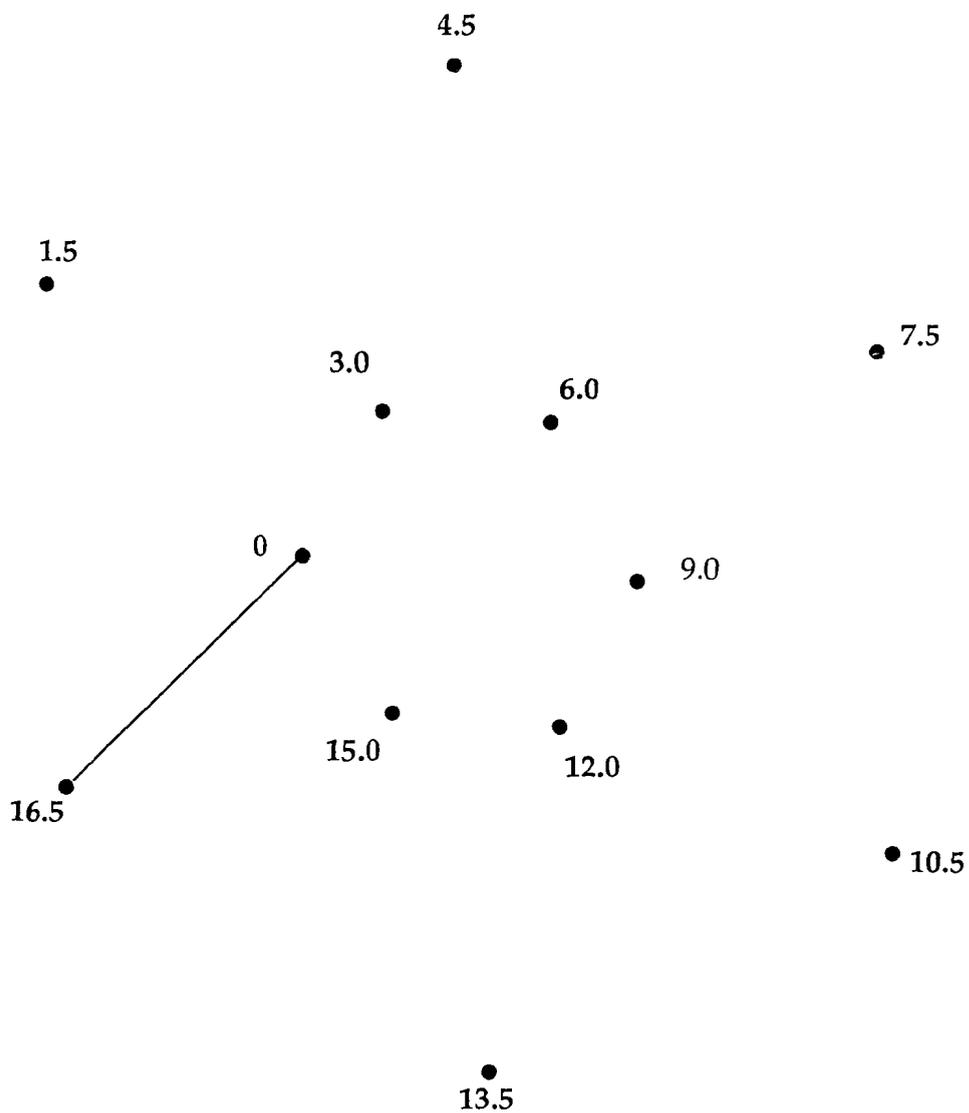
❖ Green colour = 0.35

❖ Remaining part as black.

(Hint : Each small square represents 0.01)



4. Start from 0, keep adding 1.5 and join the dots. What do you get? Colour it.



DARUL HUDA ISLAMIC SCHOOL- AL AIN

HOLIDAY ASSIGNMENT (ENGLISH)

GRADE: V DIVISION:

DATE: 14/12/2017- 7/01/2018

NAME:..... ROLL NO:

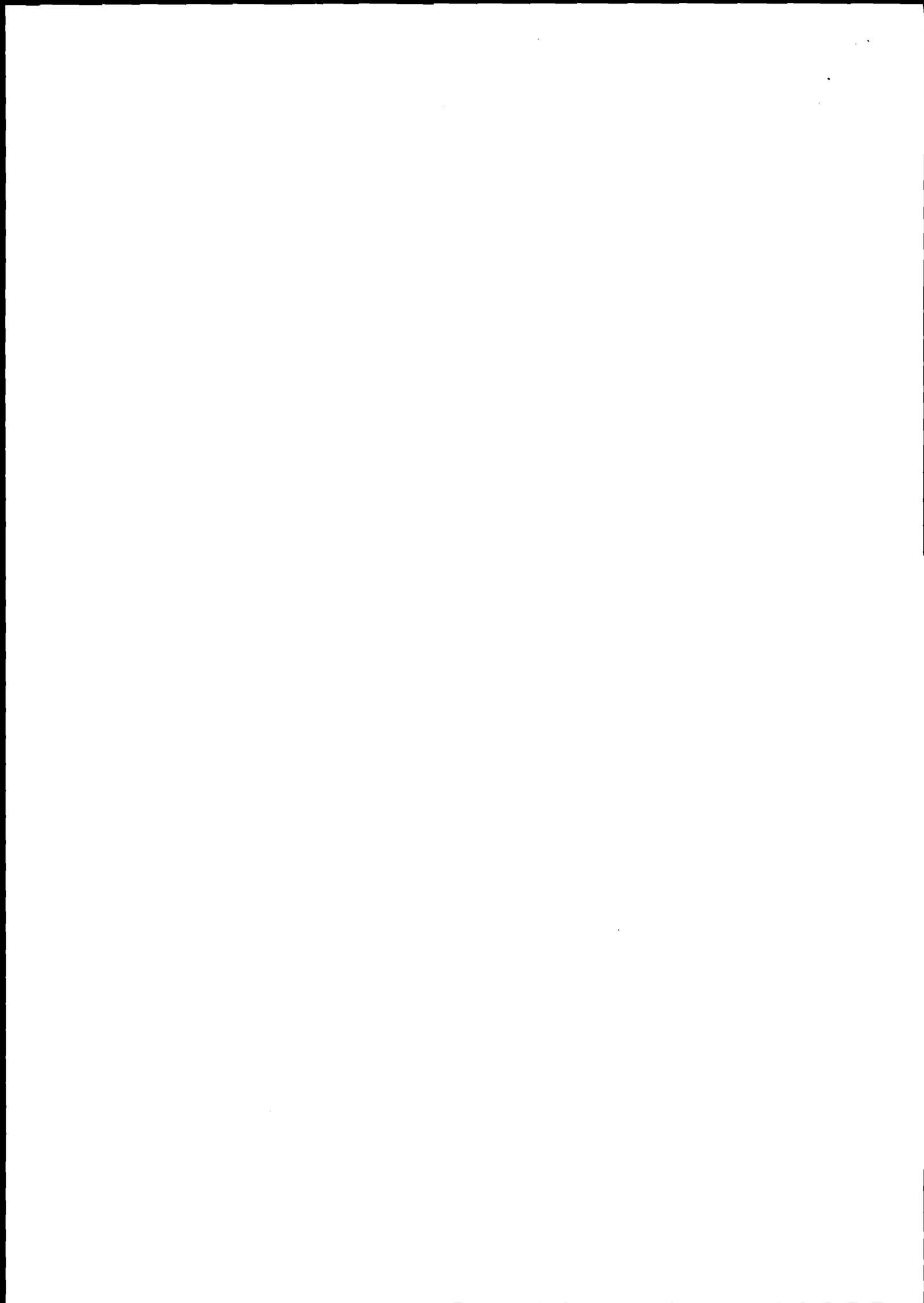
1. Prepare a short note on types of adverb.
2. Prepare an article on 'Trains across the World'.
3. Frame a paragraph using all the basic tenses.(Present, past and future)
4. Collect information about R.K.Narayan and the incidents of Malgudi Days.
5. Prepare a thanks giving speech.

Social Studies

1. Collect and stick the pictures of the following personalities and write a few sentences about them.

[Mother Teresa, Mahatma Gandhi, Malala Yousafzai, H .H Sheik Zayed bin Sultan al Nahyan, H H Mohammed bin Rashid Al Maktoum.]

2. Collect and stick the pictures of any five freedom fighters of India.



DARUL HUDA ISLAMIC SCHOOL

WINTER HOLIDAY ASSIGNMENT

GRADE: 6

1. A word can be spoken or written .In most languages, new words get added to the vocabulary with time, while some words become obsolete. The vocabulary of a language is always evolving.

a) Find out more about words in the English language.

➤ Your research should cover these points ,

- 1) How old the English language.
- 2) Countries that have adopted English as their official language.
- 3) Words taken from other languages that we find in English dictionary.

2. You visited a school in a village recently and have been asked to write about it.

Write an article for your school magazine, comparing the village school with schools in the city.

SOCIAL STUDIES

1. Rohit has a bad habit of throwing rubbish around the school campus despite the fact that there are wastepaper baskets all around. How would you go about trying to tell him that littering is bad for the environment? Write a speech to inform people about the effects of littering.
2. Imagine that you have to shift your residence from a coastal town to a hill station. How will you adjust your lifestyle in terms of weather conditions, type of housing, clothes, food and outdoor activities?
3. On the outline map of India, mark the physical divisions- the Northern Plains, the Peninsular Plateau, the Great Indian Desert, the Coastal Plains and the Islands.

DARUL HUDA ISLAMIC SCHOOL , AL AIN

Winter Holiday Assignment

MATHEMATICS

Grade – 6

- 1) There are 18 boys and 12 girls in a class .If $\frac{1}{6}$ of the students were absent on a certain day , how many students were present ?
- 2) Sohail planted one fifth of his vegetable garden in the morning and two seventh of it in the afternoon. What fraction of the garden was planted in all?
- 3) Subtract (-1000) from its predecessor.
- 4) Simplify : a) $1\frac{9}{20} + 2\frac{7}{10} - 1\frac{1}{15}$ b) $7\frac{1}{4} + 2\frac{1}{6} + 3\frac{7}{8}$
- 5) There are 100 questions in a question paper. Three marks are given for every correct answer and (-1) for every wrong answer. Amal got 65 correct answers and 35 wrong answers. Find the marks scored by Amal?
- 6) Ayush had $\frac{5}{6}$ kg of rice. He gave $\frac{3}{4}$ kg to his aunt .How much rice was left?

Subject – General science

- 1) With the help of internet, find out the different animals found in a tropical rainforest. Collect their pictures and prepare a collage with these pictures .
- 2) Write a report explaining the possible consequences if the following gases were absent from the earth's surface.
 - a) Oxygen b) carbondioxide

DHARUL HUDA ISLAMIC SCHOOL

WINTER HOLIDAY ASSIGNMENT

2017-2018

ENGLISH

GRADE: 7

1. List out any six type of musical instruments and describe about it?
2. Write an essay about the following topic,

Few people devote time to hobbies nowadays. Say why you think this is the case and what effect this has on the individual and society in general.

Give reasons for your answer and include any relevant examples from your own knowledge or experience.

3. You have borrowed a library book from your friend and it got damaged. Write a letter to your friend asking apology.
 - Apologize for damaging the book
 - Explain what happened
 - Say how are you going to fix the issue

Darul Huda Islamic School, Al-Ain

Winter Holidays Assignment-2017-2018

Subject: Science

Physics

➤ **Working Model:**

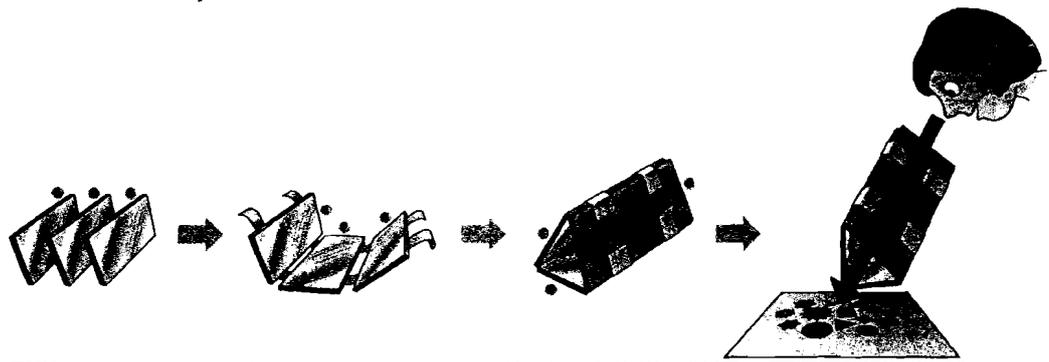
Prepare a working model of Newton's disc (use mini motor for working model)

➤ **Research:**

Formation of rainbow is a natural consequence of dispersion of light. Find out how rainbow is formed and create a poster.

➤ **Model making:**

Making a kaleidoscope



Take three rectangular pieces of plane mirrors of size (10 × 3 cm).

Tape the pieces together (mirrored sides inside) to form a triangular column.

Put some beads or pieces of colour paper of different shapes on a piece of white paper and look at them through your kaleidoscope.

What kind of patterns do you see? Why?

DARUL HUDA ISLAMIC SCHOOL, AL AIN

Holiday Assignment for Mathematics

1. The area of the Atlantic Ocean is 3.18×10^7 sq.miles and the area of the Pacific Ocean is 6.4×10^7 sq.miles. Which Ocean covers more area?
2. A ribbon's length is $(5x+5)$ m. If $(3x+3)$ m is cut out from it, how much part of ribbon is left?
3. A telephone chord has 8 circular spirals, each spiral having a diameter of $12a+6b$. Find the total length of the chord?
4. In a bag, the number of 50-paise coins is three times the number of one rupee coins. If the total worth of the coins is Rupees 120, find the number of 50-paise coins?
5. The area of the square is 144 sq.m. What is the length of its side?
6. Find the radius of the circle whose circumference is 22π ?

Darul Huda Islamic School ,Al-Ain

Winter Holiday Assignments -2017

Subject – Chemistry

Grade : 7

1. Take a map of India .Collect data from internet and mark the percentage of fresh water available in different states in India.
2. Find out how sewage is disposed off in aeroplanes.

Biology

1. Draw and label the structure of Heart.
2. Using rubber tube, small funnel, balloon and adhesive tape make a stethoscope model.

Grade 7, Social Science

1. Collect information and pictures of the flora and fauna of the UAE and your native country and prepare report. Include (types of forests,types of grasslands,desert vegetation,tundra vegetation)
2. Suggest some measures to preserve our rich and diverse natural vegetation and wildlife

Reference:Lesson 9, Natural Vegetation and Wildlife

DARUL HUDA ISLAMIC SCHOOL-AL-AIN

WINTER HOLIDAY ASSIGNMENT

ENGLISH

2017-2018

GRADE: 8

1. What do you want to be when you grow up? These days, there is a whole new world of opportunities with many unusual and exciting careers. What are these?

Answers for the following questions must be included.

- (a) What am I studying now? What do I want to study in the future?
- (b) What are my strength and weakness?
- (c) What is my attitude towards work?

2.

Write an essay on the impact of friendship in the success of social life.

The rules and regulation of essay must be implemented in essay.

3

Write a biography about Nelson Mandela who was the leader of South African anti-apartheid revolution.

The elements and factors of biography must be shown in it.

Holiday Assignment – Mathematics

Grade VIII

1. How much wood is needed to make a rectangular box of height 25 cm, length 40 cm, breadth 30cm. Find the cost of making the box if the price of wood is RS 2000 per sq.m.
2. The volume of a cube is 5832 cm^3 . Find the length of its edge.
3. Find the distance covered by a roller of diameter 2.1 m and length 4 m in 1 revolution.
4. The circumference of a right circular cylinder is 77 cm. Find the total surface area if the height is 1.2 m.
5. The volume of a cube is 4096 cm^3 . If 4 similar right circular cylinders can fit completely inside the cube, find their height and diameter.
6. Solve the following equations
 - a) $4(t+1)+(t+2)= 6(t- 3) - 1$
 - b) $\frac{7a+3}{2} + \frac{a}{3} - 8 = (a - 1)$

Holiday assignment

Class : VIII

subject : social studies.

Collect maximum number of pictures related to industries. Classify them under:

1. Cottage industries
2. Small scale industries
3. Large scale industries

Classification based on the size of the industry

4. Agro based industries
5. Mineral based industries
6. Pastoral based industries
7. Marine based industries

Classification based on the raw material of the industry

8. Basic industries
9. Intermediate goods industries
10. Consumer goods industries

Classification based on the end products of the industry

Explain the reason to include them in each of the divisions.

Refer Geography chapter No. 8 and page no. 185 & 186

Darul Huda Islamic School, Al-Ain

Winter Holidays Assignment-2017-2018

Subject: Science

Grade: 8

Physics

- Prepare a chart on constellation. (Any 5) **Web link:**
<https://www.artofmanliness.com>
(Note: Use black colour chart and star stickers)
- Prepare "fact sheets" on each of the eight planets of the solar system. Your facts should have the information such as the planet's mass, diameter, distance from the sun, number of satellites and its special features.

GRADE 8 BIOLOGY

Answer the following questions in your notebook

1. Draw a neat and well-labeled diagram of a plant cell and an animal cell.
2. State the key features of Cell Theory~,
3. Why are cells of different shapes and sizes? Give suitable examples to support your answer,
4. Differentiate between prokaryotic and eukaryotic cells.
5. Describe the structure of a nucleus.
6. Write the differences between cytoplasm and nucleoplasm.

GRADE-8

CHEMISTRY

Whenever we use personal care products and house hold cleaning products, be it detergent, bleach, stain remover, hair dye, shampoo etc. almost all of it goes down the drain and pollutes water. The sewage system has to have an advanced technology to remove these chemicals from the water. How would it affect the environment if the local sewage system does not have the technology? Make a report.

DARUL HUDA ISLAMIC SCHOOL, AL-AIN

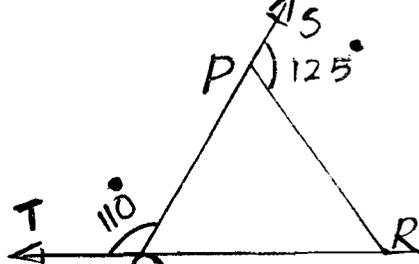
HOLIDAY ASSIGNMENT ,2017-18.

Mathematics

Grade: 9

Total Score:20.

1. In the given figure side QP and RQ of $\triangle PQR$ are produced to points S and T respectively . If $\angle SPR=125^\circ$ and $\angle PQT=110^\circ$,find $\angle PQR$.



2. Prove that angles opposite to equal sides of an isosceles triangle are equal.
3. Factorize $x^3 + 13x^2 + 32x + 20$.
4. Twenty seven solid iron sphere , each of radius r_1 and surface area S_1 are melted to form a sphere with surface area S_2 .
Find i) the radius r_2 ii) the ratio of S_1 and S_2 .
5. A solid cube of side 12cm is cut into 8 cubes of equal volume . What will be the sides of the new cube ? Also, find the ratio between their surface area.

Darul Huda Islamic School
Winter Holiday Assignment 2017-18
English- Communicative

1. Choose any three of the following and prepare a brief biography of Authors listed below.
 - * William Shakespeare
 - * Khalil Gibran
 - * Norman Mckinnel
 - * Alexander Baron
 - * O. Henry
2. Prepare a write up on the seven stages of life based on the remarks made by Shakespeare in the poem 'Seven Ages'. Describe characteristics of each stage in detail.
3. Read the novel 'Gulliver's Travels' part 3 & 4 and prepare a summary.

Darul Huda Islamic School ,Al-Ain
Winter Holiday Assignments -2017

Subject –BIOLOGY

GR- 9

1. What are the causes, symptoms and methods of prevention and cure of AIDS.
2. a) What are the consequences of global warming?
 b) Draw a labeled diagram of water cycle in nature and explain about it.

GRADE- 9

CHEMISTRY

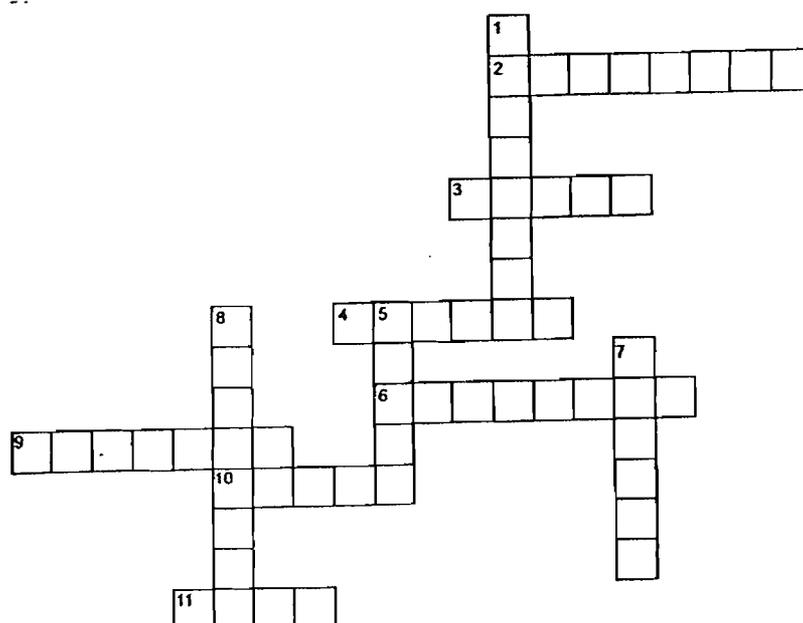
1. Calculate the molecular mass of the following:-

1) PCl_5 2) NH_3 3) H_2O_2 4) $\text{C}_6\text{H}_{12}\text{O}_6$ 5) CH_2Cl_2 6) $\text{C}_{12}\text{H}_{22}\text{O}_{11}$

7) O_2 8) Cl_2 9) K_2SO_4 10) KNO_3

2)

In the given crossword puzzle, names of 11 elements are hidden. The symbols of these elements are given below. Complete the puzzle.



1. Cl 2. H 3.Ar 4.O 5.Xe 6.N 7.He 8.F 9.Kr
 10.Rn 11.Ne

DARUL HUDA ISLAMIC SCHOOL, ALAIN

Winter Holiday Assignment 2017-18

Science and Technology

Grade 9

Physics

1. Write a report on "Energy conservation is the need of the hour". (3 to 5 pages)
2. Complete practical record works.
Experiments:
 - (i) Verification of the laws of reflection of sound.
 - (ii) Determination of the density of a solid (denser than water) by using a spring balance and a measuring cylinder.
 - (iii) Establishing the relation between the loss in weight of a solid when fully immersed in (a) tap water (b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.
 - (iv) Determination of the velocity of a pulse propagated through a stretched string/slinky.

Social Science

Disaster Management (Project)

Disaster management by rural community

- Community the first responder
- Composition of the Village Disaster Management Committee (include case study)
- Difference between Village Disaster Management Committee (VDMC) and Disaster Management Team.
- Participatory Rural Appraisal Technique (PRA)

DARUL HUDA ISLAMIC SCHOOL, AL AIN

HOLIDAY ASSIGNMENT-DECEMBER 2017

Grade: 10

MATHEMATICS

1. The sum of three consecutive numbers in an AP is 6 and the sum of their squares is 14. Find the numbers.
2. The sum of $n, 2n, 3n$ terms of an AP are S_1, S_2, S_3 respectively. Prove that $S_3 = 3(S_2 - S_1)$.
3. If $x = a \cos \theta - b \sin \theta$ and $y = a \sin \theta + b \cos \theta$, then prove that $x^2 + y^2 = a^2 + b^2$.
4. Prove that $(\sec^4 \theta - \sec^2 \theta) = \tan^2 \theta + \tan^4 \theta$
5. A man standing on the deck of a ship, which is 10m above the water level, observes the angle of elevation of the top of a hill as 60° and the angle of depression of the base of the hill as 30° . Calculate the distance of the hill from the ship and the height of the hill. ($\sqrt{3} = 1.73$)
6. Three consecutive natural numbers are such that the square of the middle number exceeds the difference of the squares of the other two by 21.
Find the numbers.
7. Find the value of k such that the quadratic equation has equal roots.
 $(k - 12)x^2 + 2(k - 12)x + 2 = 0$



Grade 10 BIOLOGY

Answer the following Questions:

1. How do Mendel's Experiments show that the
 - (a) traits may be dominant or recessive?
 - (b) traits are inherited independently.
2. What is speciation? List 4 factors that could lead to speciation?
3. Evolutionary relationship can be traced by study of homologous organs. Explain.
4. List in tabular form distinguishing features between acquired traits and inherited traits with one example of each.
5. List three factors that provide evidences in favour of evolution in organism and state the role of each in brief.
6. How is the equal genetic contribution of male and female parents ensured in the progeny?
7. If evolution is not equated with progress and further it is slow and gradual process then what could be the progressive trend in evolution? Explain giving examples.
8. Write notes on fossil fuels.
9. Importance of forest as a resource.
10. Explain biological magnification.

Chemistry

1. Make a periodic table highlighting metals, non-metals and metalloids using different colours.
2. Write a description about the periodic table making use of the following points:
 - a) Positioning of the metals, non-metals and metalloids.
 - b) Anomalous position of hydrogen
 - c) Positioning of lanthanoids and actinoids as separate blocks

ENGLISH

HOLIDAY ASSAIGNMENT

Grade 10.

1. Rewrite the poem 'The rime of the Ancient Mariner' in the form of Drama.
2. Read the poem 'Snake' and find the usage of poetic devices in the poem with examples.

105

DARUL HUDA ISLAMIC SCHOOL, AL AIN

Winter Holiday assignments

Science and Technology

Grade: X

Section A: Physics

1. Show analytically from the lens equation that when the object is at the principal focus, the image is formed at infinity.
2. For the same angle of incidence, the angles of refraction in media P,Q and R are 35° , 25° and 15° respectively. In which medium will the velocity of light be minimum?
3. A convex lens forms the image of the Sun at a distance of 10 cm. Where will be the image when (i) another lens of same power but double the aperture is used? (ii) another lens of same aperture but double the power is used?
4. A converging lens is kept coaxially in contact with a diverging lens- both the lenses being of equal focal lengths. What is the focal length and power of the combination?
5. A glass slab is placed over a page in which letters are printed in different colours. Will the image of all the letters lie in the same plane?
6. What is the difference between the virtual images produced by (i) plane mirror (ii) concave mirror ,(iii) convex mirror?
7. How can you distinguish between three different mirrors just by looking at them?
8. Make a report on "Characteristics of images formed by a convex lens for different positions of the object and its applications in daily life".

Grade X

Social Science

Disaster Management (Project)

Mention the necessary steps for survival stalls to be adopted for the common incidents that takes place . Prepare a manual as a help guide .

(Common incidents: fire, snake bite , fractures and sprains and heat stroke)

