



# Holiday Homework 2018-19

GRADE  
6



# **SOCIAL STUDIES**

## **TOPIC: Voyage of Rivers**

**Grade 6: Students will do the research work on a river of Nile.**

**This research will make you understand the importance & significance of rivers in our lives and their history.**

### **Egypt—Nile**

**Power point presentation—should include the following topics.**

- **River pictures.**
- **Picture essay.**
- **Economic and social issues related to the river and impact of modern day changes on sustainable development of places located around rivers.**
- **Poem on voyage of rivers.**
- **Imagine yourself a quiz master of a popular TV show. Prepare a set of 10 questions on a river of your choice to conduct the quiz competition. Include the questions in your presentation.**

# ICT

## **PROJECT 1 –MS Excel**

Create an Excel sheet to show monthly expenditure report of your family.

	A	B	C	D	E	F	G	H	I	J
1	<b>MONTHLY EXPENDITURE</b>									
2	<b>MONTH</b>	<b>INCOME</b>	<b>GROCERY</b>	<b>STATIONARY</b>	<b>SCHOOL FEES</b>	<b>LOAN</b>	<b>TUTION FEES</b>	<b>MISC.</b>	<b>TOTAL EXPENSES</b>	<b>TOTAL SAVINGS</b>
3	APRIL									
4	MAY									
5	JUNE									
6	JULY									
7	AUGUST									
8	SEPTEMBER									
9	OCTOBER									
10	NOVEMBER									
11	DECEMBER									
12	JANUARY									
13	FEBRUARY									
14	MARCH									
15										
16	ANNUAL INCOME									
17	ANNUAL EXPENDITURE									
18	ANNUAL SAVINGS									

You need to make entries for Income, grocery, Stationary etc. for each month and use formula to calculate expense for each month as well as Total Savings. You should also put relevant formulae to calculate Annual Income, Expenditure and Savings.

## **PROJECT 2 - QBASIC**

### **Write the code for the following questions in QBASIC-**

Q1 Write a program in QBASIC to add three numbers where numbers are 25, 18 & 29.

Q2 Write a program in QBASIC to print your name, grade and school name in different lines.

Q3 Write a program in QBASIC to find the area of a square when side is 6.

Q4 Write a program in QBASIC accept two numeric values from user and find their product.

Q5 Write a program in QBASIC to accept value for radius from user and find the area of the circle ( $\text{area}=3.14*r*r$ ).

# ENGLISH

## *Creative writing*



### Exercise one

Take a look at the two pictures and write down three things about each house that you find interesting.

### Exercise two

Take a look at the two pictures and write down three things that you disliked.

### Exercise three

Write down the meaning of the following words and then find a synonym:

WORD	MEANING	SYNONYM
Grim		
Aura		
Uncanny		
Incredible		
Spooky		
Bizarre		
Indistinct		

WORD	MEANING	SYNONYM
Unnerving		
Apprehension		
quiver		
Squeal		
Paranormal		
Eerie		

### Exercise Four

Write any ten words you would like to use in your story on the next page.

### Exercise Five

Write a story which takes place in an abandoned house(150-200 words)

**Do your holiday homework in the notebook only.**

# ESL

## I Love Trains

Hi! My name is Ellie. I like to travel. I like to go to new places to see new things. I like all kinds of trips - short trips, long trips, and even medium trips! My favorite way to travel is by train. It is so exciting!

When I was a baby, less than a year old, I made my first train trip. My parents took me to see my grandmother. I do not remember that trip at all.

So far, I have been to twenty-five American states. I have been to Canada, Mexico and to Italy, too.

I went to all those places by train. Well, I did not go to Italy on a train. We flew there. After all, trains do not travel over oceans! When we got there, though, we traveled in Italy on Eurail trains. Trains have been around for a long time. The first steam-powered train took one hundred forty-one people on a six-mile trip in 1830. Of course, trains are very different now. They move much faster. One of the fastest trains in the world has gotten up to three hundred fifty-seven miles per hour. I have not ridden on it. I would not like it, anyway. What I like most about trains is that they give me time to see things.

I like to be on train cars. I think train cars are a lot like houses on wheels. I like the big chairs and the big windows. I like to look out and see the houses and people go by. I like to walk around inside the train while it's travelling.

Some trains have restaurants on them. Some even have bedrooms with bunk beds in them.

They are called sleeper cars. Some trains have lounges. The seats are big and comfortable. Some trains have windows that go all the way up on the ceiling. Some trains are fancy and make me feel like a queen travelling around her kingdom. Some are plain and make me feel like an explorer setting out on a big adventure. It does not matter; I love them all.

This year my parents are taking me to the train station in our town on National Train Day. National Train Day is always on Saturday. It is the Saturday closest to May 10. We are going to see all the displays about trains. On Monday, I am going to bring to school pictures from the train station and pictures from my train trips. My teacher said I could talk about trains. The other students can ask questions. I think it will be fun to share my stories about trains!

Do the following:

1. What is Ellie's favourite way to travel?

- a. bus      b. train      c. jet      d. car

2. How old was Ellie when she took her first train trip?

- a. four      b. less than one      c. one      d. two

3. How many American states has Ellie visited?

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4. Some trains have bedrooms and restaurants in them.

- a. true      b. false

5. On what date is National Train Day celebrated?

- a. the Saturday closest to May 1      b. the Saturday closest to May 10  
c. May 5      d. May 19

6. Where are Ellie and her parents going on National Train Day?

7. Ellie wrote that one of the fastest trains in the world has gone up to miles per hour.

- a. three hundred thirty-three      b. one thousand, five hundred  
c. three hundred fifty-seven      d. three hundred twelve

Replace the noun with a pronoun and rewrite the sentence.

I did my homework after school. The homework was difficult.

---

---

The doctor advised Mrs Colt that Mrs Colt must take the medicines given by the doctor as the medicines were very effective.

---

---



Circle the plural correct noun for each singular noun.

**Penny**      pennys      pennies      pennies

**Scarf**      scraves      scarfs      scarvies

**Dish**      dishes      dishs      dishess

**Peach**      peachs      peachies      peaches

**Wolf**      wolfes      wolves      wolfs

**Berry**      berries      berryes      berrys

Rewrite the following sentences using the plural forms of the nouns and making appropriate changes to the other words.

1. There is a picture on the wall.

---

2. That is not a worm: It is a snake.

---

3. Is there a box of chocolate on the table?

---

**Adjective or Adverb!** Choose the correct item:

1. He (correct, correctly) defined the terms. The answer sounded (correctly, correct).

2. He measured the floor (exact, exactly). They proved to be (perfectly, perfect) (exact, exactly) measurements.

**Now, make your own sentences with...** (slow, slowly)

---

---

**Adjective!** Rewrite the following sentences correctly.

1. Stone is heaviest than wood.

---

2. Mysore is cleanest than the other Indian cities.

---

3. The days are becoming hot and hot due to global warming.

---

**Write a short story in 50 words using adjectives and the vocabulary words you have learnt.**

Write the correct homophone (**there, their or they're**) to complete each sentence.

1. Please place \_\_\_\_\_ leftover food in the refrigerator.
2. I would like to walk past \_\_\_\_\_ soon and gaze at the scenery.
3. \_\_\_\_\_ not home right now so we'll leave a note in the mailbox.
4. I would like to go swimming, but \_\_\_\_\_ not here to watch me
5. You can see the baseball game perfectly if you sit over

Supply appropriate prepositions to complete the sentences.

1. My composition was full \_\_\_\_\_ mistakes.
2. I am not ashamed \_\_\_\_\_ what I did.
3. I wasn't aware \_\_\_\_\_ the pouring rain.
4. She was annoyed \_\_\_\_\_ her noisy neighbours.
5. It's nice \_\_\_\_\_ you to let me use your car.

**Conjunctions** - Check your grammar: matching:

Match the two parts of the sentence and write a – h next to the number 1 – 8.

We wanted to go  
to the show

so we don't get there late.

I often make  
omelettes

or at the football match?

Shall we go to the  
cinema

because he laughs in his sleep.

Burgers are very  
tasty

and watch that film you were talking  
about?

My neighbours  
are friendly

because they're quick and easy.

Do you know if  
he's at home

although they are not very healthy.

Pick me up early,  
please

but they're noisy.

We know he has  
great dreams

but there weren't any seats left.

# HINDI

- 'यदि परीक्षा न होती' या 'मेरा यादगार बचपन' विषय पर अनुच्छेद लिखिए ।
- श्री धरन के कार्यों के बारे में एक प्रोजेक्ट तैयार कीजिए ।
- अपने और अपने मित्र के बीच मोबाइल पर हुई बातचीत को एक संवाद के रूप में लिखिए
- प्रतिदिन पाँच कठिन शब्द लिखिए (from story books, news papers ,text book)

गृहकार्य booklet form में submit करे

# HINDI AB

1. Make a chart on Solar System. You can use A3 as well. Names of the planet should be written in Hindi.
2. Make a chart on Flowers, Birds and Animals. Names should be written only in Hindi.

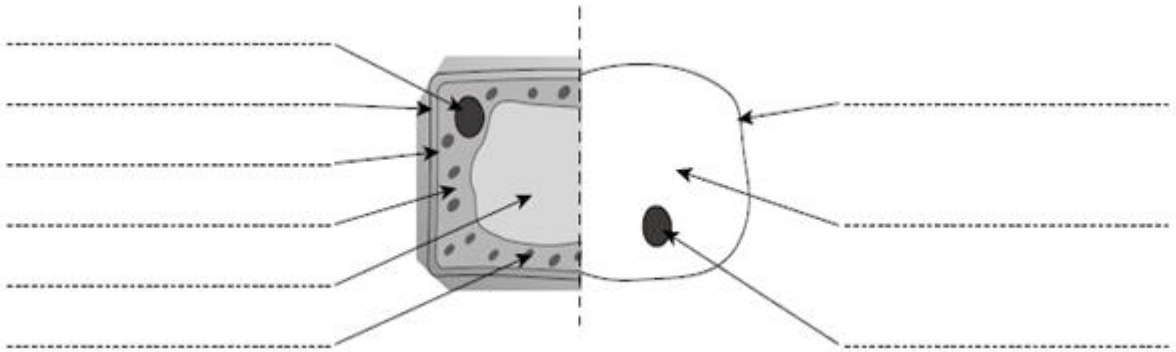
# SCIENCE

**NOTE –**

**The assignment sheets should be pasted in notebook.**

**The assignments should be brought on the first working day.**

- 1. Label the below diagram showing part of plant and animal cell.**

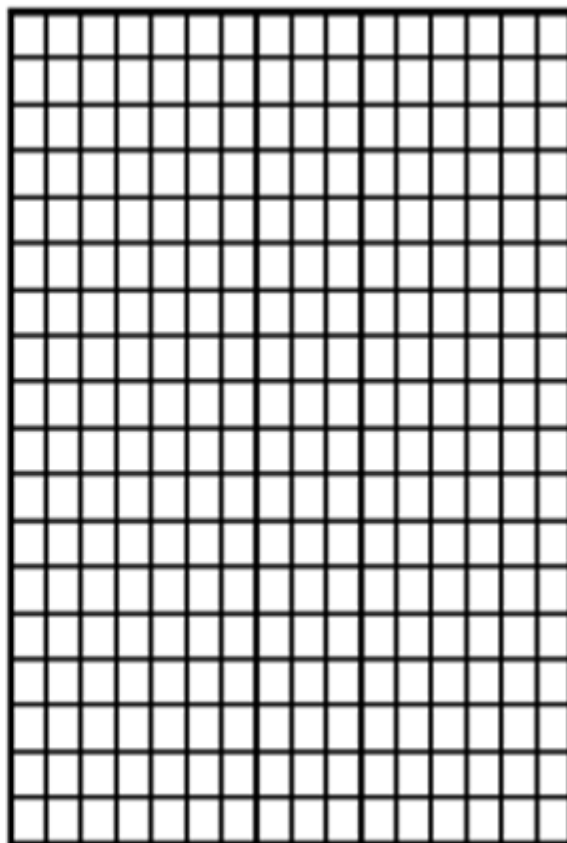


- 1. Each part of the cell, called an organelle has a particular function to perform. Which part of the cell performs the following function?**

- a. Control the entry and exit of substances .....
- b. Chemical reactions occur in this jelly like part .....
- c. A non living structure around the cell, giving it support .....
- d. Site of photosynthesis .....
- e. Space containing cell sap .....
- f. Information centre for controlling cell activities .....

- 1. An investigation was carried out to find how many grams of a white crystalline solid could be dissolved in 100cm<sup>3</sup> of pure water at different temperatures. The results are as follows.**

TEMPERATURE (°C)	MASS OF SOLID DISSOLVED (MAX) (g)
0	1.3
20	3.8
40	8.8
60	25.0
80	81.3



- a. Plot these points on the graph above. Do not forget to use the labels correctly.
- b. Draw a smooth curve of the best fit.
- c. Use the graph to answer the following –
  - i. What would happen if 3g of the solid were stirred into 100cm<sup>3</sup> of water at 20°C?

.....

- ii. What is the effect of temperature on the mass of solid dissolved?

.....

1. Marry is applying nail polish to go for a party. Her little brother complains of the smell of nail polish in his bedroom across the common room.

- a. Name the process that made the smell reach her brother's room.

.....

- b. Use the concept of particle theory to explain the process.

.....

- c. Name the system that helped him smell the nail polish.

.....

- d. Name all the organs present in the system.

.....

**2. All the life in a pond depends on microscopic plants called algae making food by photosynthesis. Small animals like mosquito larvae then eat the algae. Bigger animals like sticklebacks then eat the mosquito larvae, and these sticklebacks are eaten by even bigger fish like perch.**

**a. Draw the food chain that is described above.**

.....

**b. Name the producer in the above and explain what is meant by the term producer?**

.....

.....

**C. Name the primary consumer in the above food chain and explain what is meant by the term primary consumer?**

.....

.....

.....

**D. Some pike are introduced into the pond. They eat perch. Add them to your food chain and construct the new food chain.**

.....



**E. Is there a predator in the food chain? If yes, what is it?**

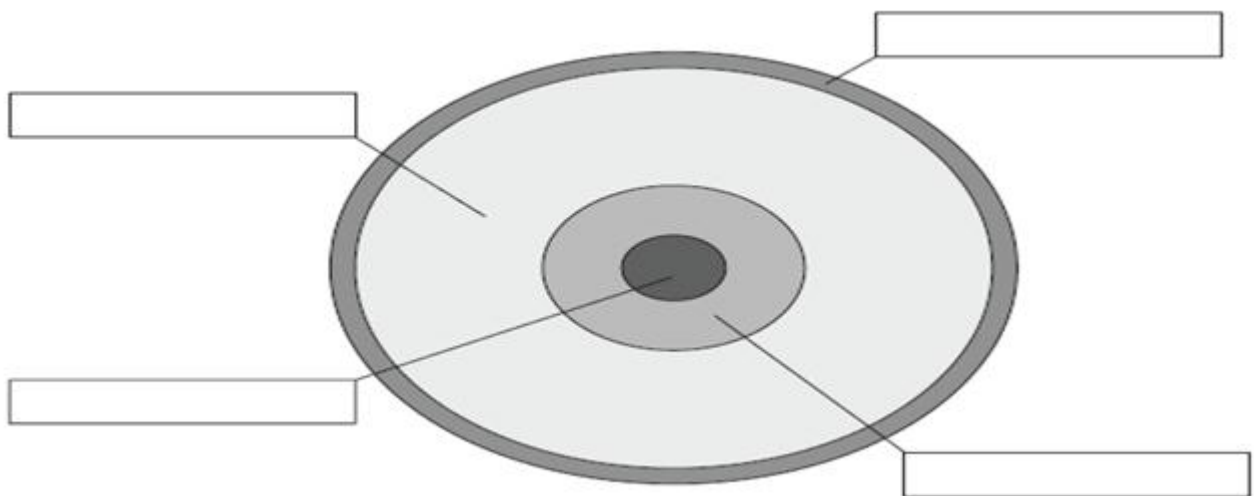
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**F. What is a decomposer? What is its role?**

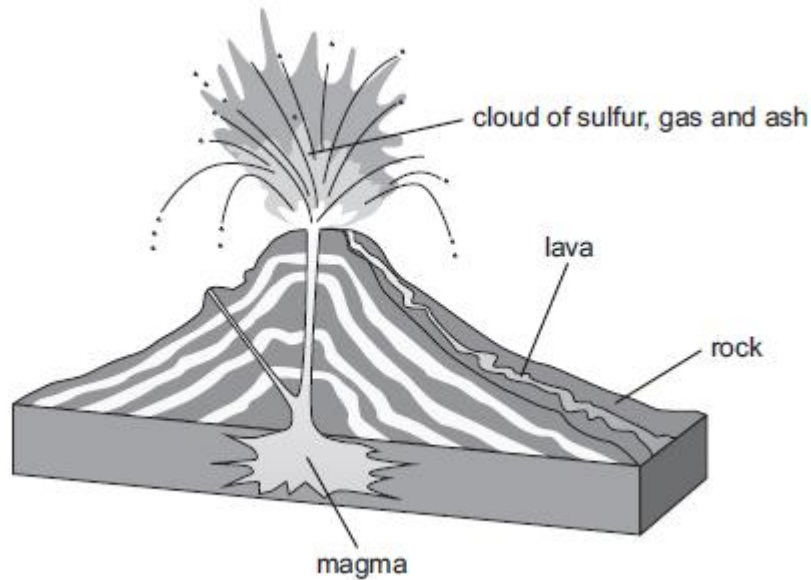
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**6. The structure of the Earth is made of layers. Label the diagram showing the structure of the Earth.**



- a. Put a tick mark against 2 correct statements.**
- The inner core is the hottest part of the Earth.
  - Iron and nickel are only found in the crust.
  - Solid rock is found in all layers.
  - The mantle is made of semi molten rock called magma.
- 7. The diagram below shows an erupting volcano. The magma cooled and formed rocks.**



a. Name the type of rocks that are formed due to volcanic eruptions. Give at least 3 features of this rock.

.....  
 .....

b. Volcanic eruptions also happened many millions of years ago.

- Volcanic ash covered the bodies of fish as shown below.
- Over many years this ash formed rock.
- The picture shows part of the rock that has been formed.



i. The picture shows a fish which is now a ....., which is

.....  
 .....

ii. What is the name of the type of rock in this picture? Circle your answer from the list.

IGNEOUS ROCK

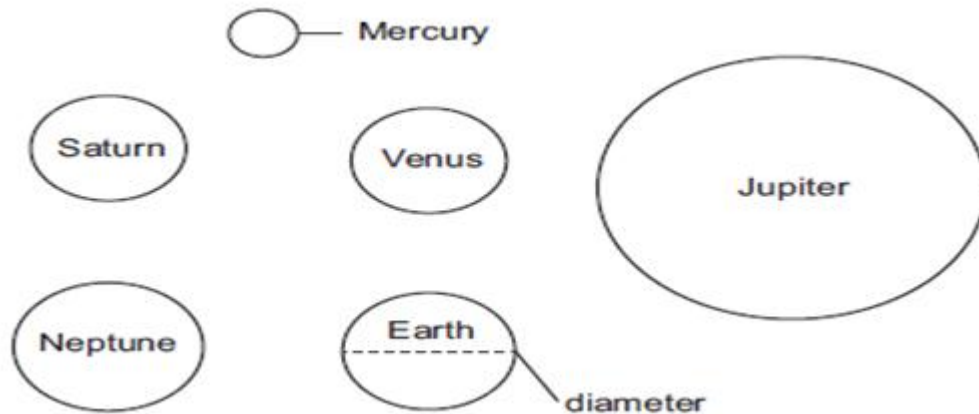
METAMORPHIC ROCK

SEDIMENTARY ROCK

8. The diagram shows 6 planets.

Different planets have different gravitational forces.

The diameter of the circle represents the size of the gravitational forces,



- a. In the diagram, the diameter of Earth is 2 cm.  
The gravitational pull on the Earth is 10 units.  
Use the information to complete these sentences.

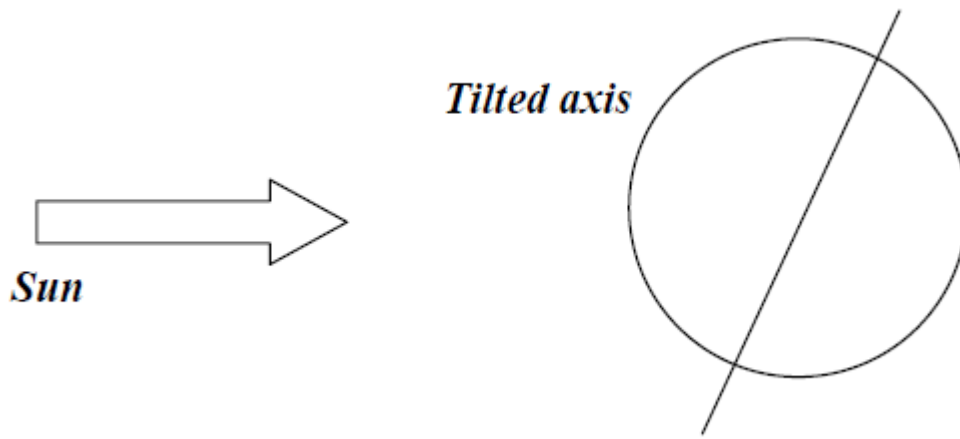
In the diagram the diameter of Jupiter is ..... cm and the gravitational pull on Jupiter is ..... units.

- b. Write the names of 3 planets where you would weigh less than you do on Earth.

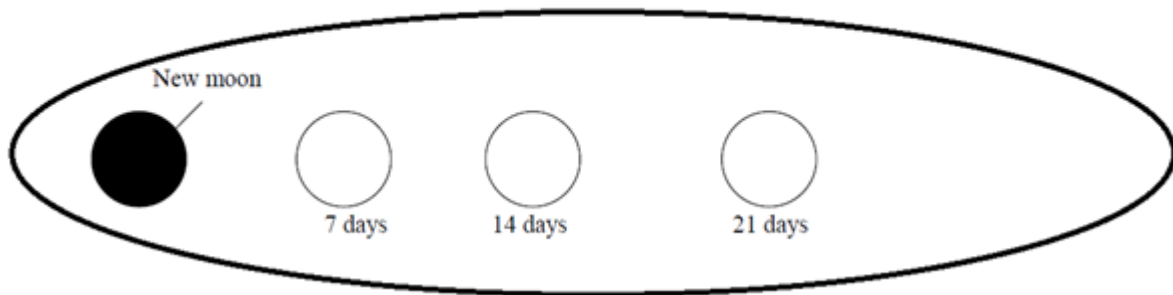
.....  
9. The Earth travels once around the Sun in 365 days. We say this is one orbit in one

..... As the Earth travels around the ..... The tilt of the  
..... gives the .....

10. Use the diagram to explain how day and night are formed.



11. Complete the diagram to show how the moon looks in 28 days.



12. Which of the following are –  
SUN                      EARTH                      MOON

- Luminous objects - .....
- Non luminous objects - .....
- Which 2 are not planets - .....

13. Fill in the correct word below and circle it in the word search below.

For example when the moon is in the way of the Sun.

Type of moon when all of it is visible on Earth.

Type of Moon when none of it is visible on Earth.

Dark area when light is blocked out.

The Sun gives out light therefore it is described as?

The Moon only does this to light. It doesn't produce it.

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

## RESEARCH

1. Research on ONE constellation each from the Northern and Southern sky.
2. Research on the countries whose flags have any of the celestial figures (sun, moon or star) on their flag. Write their names

# **FRENCH**

- 1. Prepare a document on the Culture of France. You can talk about French monuments, museums, food, brands, traditions and festivals. Take print and make a file for the same.**
- 2. Revise the topics and vocabulary done till now.**

# GERMAN

1. Make a New Year Card in German. Lines should be written only in German.
2. Make a Chart on Solar System. Names of the Planets should be written only in German.
3. Make a PPT on Dachau Concentration Camp. It should contain 20 slides

# SPANISH

1. Prepare a Chart comparing 2 festivals of Spain and India each.
2. Revise the topics done till now ■



# MATHEMATICS

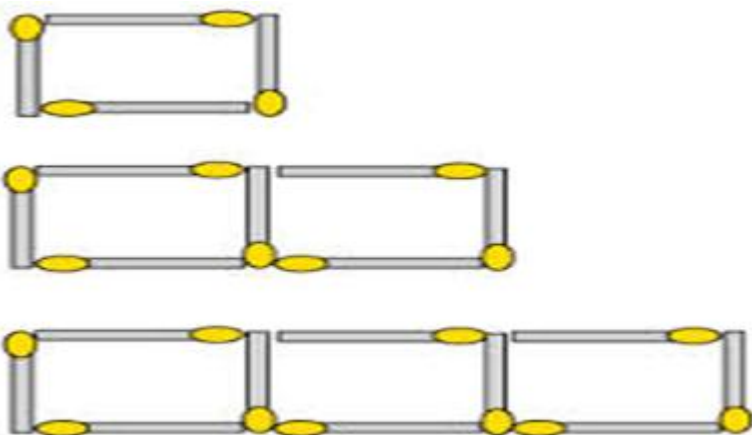
**NOTE:**

Ensure that the work is done on A4 size sheets and is in neat handwriting.  
(Do not use your Maths. fair notebook for this assignment.)

**Section -A**

1. Calculate the size of the angle marked  $x$  in each of these examples.
2. Find the unknown angles:
3. In the adjoining figure  $p \parallel q$ . Find the unknown angles.
4. The equation of the straight line is given.  $x$  coordinate of three points on the line are also given. Calculate the  $y$  coordinate of each point on the line.
  - (a)  $y = 2x - 3$ 
    - i.  $(0, \quad)$
    - ii.  $(4, \quad)$
    - iii.  $(-1, \quad)$
  - (b)  $y = x + 5$ 
    - i.  $(3, \quad)$
    - ii.  $(8, \quad)$
    - iii.  $(-4, \quad)$
5. Draw lines of the following lengths using a ruler.  
(a) 68mm   (b) 7.4 cm   (c) 3cm   (d) 53mm

6. These diagrams show a sequence of match stick patterns. In each pattern the matchsticks are arranged so that a line of squares is formed.



- (a) Draw the next two patterns in the sequence.
- (b) Count the number of matchsticks in each pattern and enter the results in the table like this.

Number of Squares	Number of matches
1	4
2	
3	
4	
5	

- (c) Describe the rule linking the number of matches and the number of squares.
- (d) Without drawing, predict the number of matches needed for the pattern with ten squares.
- (e) Without drawing, predict the number of matches needed for the pattern with 100 squares.
- (f) If 121 matches are used for a pattern, how many squares will be in it?

**7. Draw a regular hexagon.**

**(a) Write down how many lines of symmetry it has.**

**(b) Write down its order of rotational symmetry.**

**8. A golf club carries out a survey to find out the ages of its members.**

**Here are the results:**

**28, 68, 57, 79, 42, 50, 19, 21, 23, 21, 56, 16, 38, 55, 62, 71, 27, 49, 63, 46, 68, 42, 35, 65,  
18, 72, 63, 48, 69, 67, 17, 43, 36, 48, 54, 60.**

**(a) Make a group tally and frequency table using the age groups 1-10, 11-20, and 21-30, etc.**

**(b) Draw a frequency diagram of the data.**

**9. Solve the equations:**

**(i)  $a + 6 = 14$**

**(ii)  $2x = 34$**

**(iii)  $m - 12 = 23$**

**(iv)  $4p - 20 = 12$**

**(v)  $5y + 23 = 53$**

**Choose the right answer in the following questions.**

**10. The prime factorization of 48 is:**

**(i)  $2 \times 2 \times 3 \times 6$       (ii)  $2 \times 2 \times 2 \times 2 \times 3$       (iii)  $4 \times 3 \times 6$       (iv)  $8 \times 9$**

**11. HCF of 22, 44, and 88 is:**

**(i) 22   (ii) 44   (iii) 88      (iv) 1**

**12. 2234560 is not divisible by:**

- (i) 5 (ii) 2 (iii) 3 (iv) 4**

**13. HCF of two consecutive numbers is always:**

- (i) 1 (ii) 2 (iii) 0 (iv) 4**

**14. The only even prime number is:**

- (i) 1 (ii) 0 (iii) 2 (iv) 3**

**Section –B**

**Make beautiful tea coasters of some mathematical shape as discussed in class.**

**On each coaster, write property of that shape.**

**Minimum 5 to be made.**

**The case can be ready made or you can design your own.**

# VISUAL ARTS

## Colourful Expression

The Visual Element of Colour has the strongest effect on our emotions. It is the element we use to create the mood or atmosphere of an artwork. There are many different approaches to the use of colour in an inspirational manner and use colour as a creative force in our work. There are twelve colours in the colour wheel pictured below, using these colours create an interesting artwork on A2 size sheet. The proper use of colour will always enhance your final artwork.

### Few Examples-





