G D Goenka
WORLD SCHOOL

CS1 WINTER HOLIDAY HOMEWORK
GRADE-7

SOCIALSTUDIES

Task 1. Write down the names of all the States of India and their capital in your History notebook and learn them too.

Task 2. Select any one state of India, draw its map on an A4 sheet and make a list of any 20 cities it has. Stick the work in your History note book.

Task 3. On an A4 sheetprepare this list of Current Office Holders in the Government of India. Stick the work in your History note book.

1. The President of India
2. The Prime Minister of India
3. Home Minister
4. Minister of External Affairs
5. Railway minister
6. Defence Minister
7. Human Resource Development Minister
8. Chief Minister of Delhi

Task 4. Write down the names of all the States of India and their capital in your History notebook and learn them too.

Task 5. Select any one state of India, draw its map on an A4 sheet and make a list of any 20 cities it has. Stick the work in your History note book.

Task 6. Picture Pasting-National Emblem of India

The national emblem of India is the identity of India’s rich ancient heritage. Identify and collect the copy of pictures which have national emblem on them. Eg. Passport, Coins Rupee, Adhaar Card etc. Paste the pictures in your notebook.

Task 7. Designing Preamble

Design a preamble for your school abiding to all the rights and duties of all the students in school. You can also take hint from preamble of ‘Constitution of India’.

Revise IPT Syllabus.

ENGLISH

ASSIGNMENT 1: Readthe Novel ‘Ghost Stories’prescribed in the syllabus.

- Which story did you like the most and why? Write an article in about 100-150words.
- Choose another story from the same novel and bring about a very surprising twist at the end of the story. (word limit 50-80 words)

ASSIGNMENT 2: Write a story on the following topic in about 200-250 words:

‘You’re driving on a country road. It is late at night. You are far from home. You realize, as you check your mirror, there is a man whom you do not know, hiding on the floor of your back seat.....’

INFORMATION TECHNOLOGY

Project on HTML

PROJECT-1

Create a web page on "Yourself" where you can write about your family, school, likes, dislikes etc. The web page should contain the following HTML tags in it:

1. **HTML**
2. **Head**
3. **Body with the background colour or image of your choice**
4. **Paragraph with left alignment**
5. **Bold and Italics for heading**
6. **Different headings tags**

PROJECT-2

Create a web page that has information on Seven Wonders of the World. The title or a heading of the webpage should be in the marquee. The web page should be colorful and should have an image in the background.

PROJECT-3

Write the HTML code for creating a document where you have to write about different tags like HTML, HEAD,TITLE,BODY, B,I, U,MARQUEE,BR,HR etc. using different paragraphs, which has the following specifications-

Headings – Bold, Center aligned and Underlined, Size=36

Text Color & Size- Red & 20

Background color- Light Blue

First Paragraph –Left-Aligned

Second Paragraph –Right-Aligned

PROJECT-4

Write the HTML code for creating a document which displays your school name in all the different sizes using headers in blue color.

HINDI

पाठ -11 (असीम अजीज प्रेम जी) पाठ -13 (गाथा गज नन्दन की) पाठ को पढ़कर पाठ का सार(Summary) अपने शब्दों में लिखिए ।

- स्वस्ति व्याकरण से 'विराम चिह्न' और 'काल' विषय पर अभ्यास कीजिए ।
- सर्दी की ऋतु का आनंद या'मेरे जीवन का लक्ष्य'विषय पर अनुच्छेद लिखिए ।
- अपने मित्र को स्कूल के (Night Camp) के बारे में बताते हुए पत्र लिखिए ।
- व्याकरण के किसी एक विषय पर एक पोस्टर तैयार कीजिए ।
- निम्नलिखित कठिन शब्दों के अर्थ लिखिए :-

मराठी,पहाड़ी,द्रव्यवाचक,परिवर्तन,मातृत्व,सुरक्षित,आविष्कार,इतिहास,अनुशासन फलस्वरूप,निश्चित,विनाश,अभिमान ,दृष्टिकोण ,विस्तार ,कलंक ,संवेदनशील ,आर्थिक,आराधन गृहकार्य booklet form में submit करे

SCIENCE

Activity: All students to create a collage on "How science is being used in daily life".

CHEMISTRY

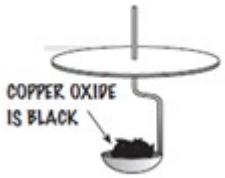
1. In winter, a pond freezes over, but usually the ice is only formed on the surface. Fish go deeper where the water is still warmer. Explain the following – The ice at the surface can be less than 0^0C, but the water below stays liquid.

.....
.....

.....
.....

.....
.....

2. If you take a piece of copper and heat it strongly, it will get a black coating. It will also have a red substance on it. Both these are a form of copper oxide with different compositions. However, copper does not burn.



a. What is burning?

.....
.....

b. How can we recognize it?

.....
.....

c. Write the word equation for the reaction between copper and oxygen.

.....
.....

3. Compounds made up of only 2 elements are called binary compounds. The name of a binary compound ends in 'ide'.
   Complete the following -
   a. Aluminium + chlorine
      .....

   b. Sodium + oxygen
      .....
   c. Iron + Sulphur
      .....

4. Write the names of the elements the following compounds have been made from.

a. Zinc oxide is made from –
   .....

b. Copper chloride is made from –
   .....

c. Magnesium nitride is made from –
   .....

d. Sodium hydride is made from -
   .....

5. Name the elements in the following -

Compound	***Elements in it ?***
Carbon Monoxide	
Magnesium Chloride	
Water	
Sodium Chloride	
Calcium Carbonate	

6. Which of the following conditions will lead to rusting? Circle the correct option.

a. Iron tongs left in a box.
b. Iron tongs in oil.
c. Iron tongs kept in a container with moisture absorbing chemical.
d. Iron tongs in a container without oxygen.

7. Circle the chemical reaction.

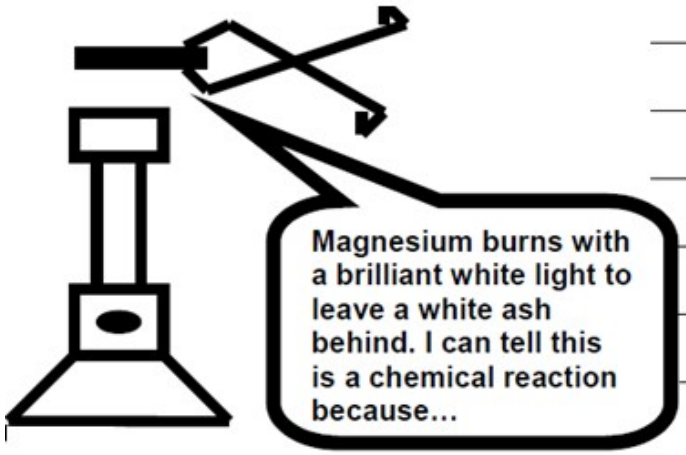
Making toast *Boiling water*

Frying an egg

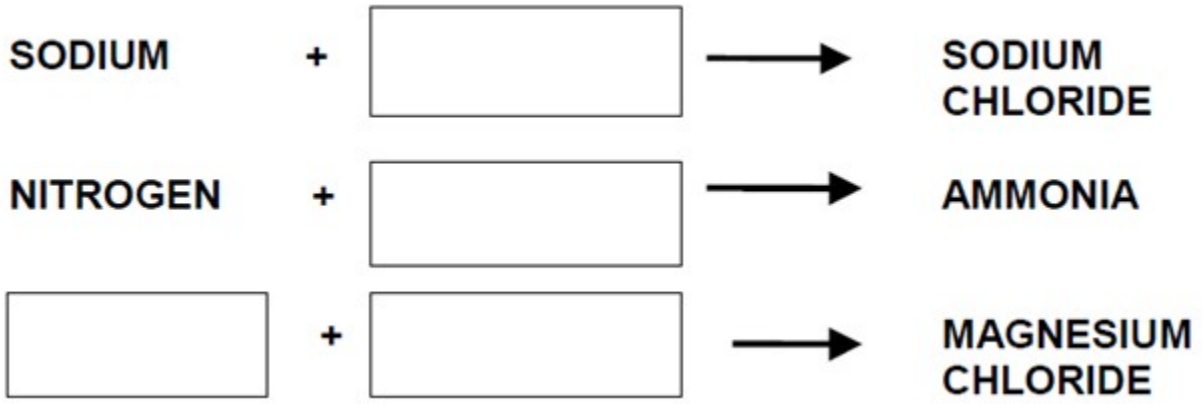
Taking a photograph *Metal +acid*

Making Ice-lollies

8. Why is the following a chemical reaction.



9. Complete the following -



10. What will be made when the following metals are burnt?

Copper → _____

Iron → _____

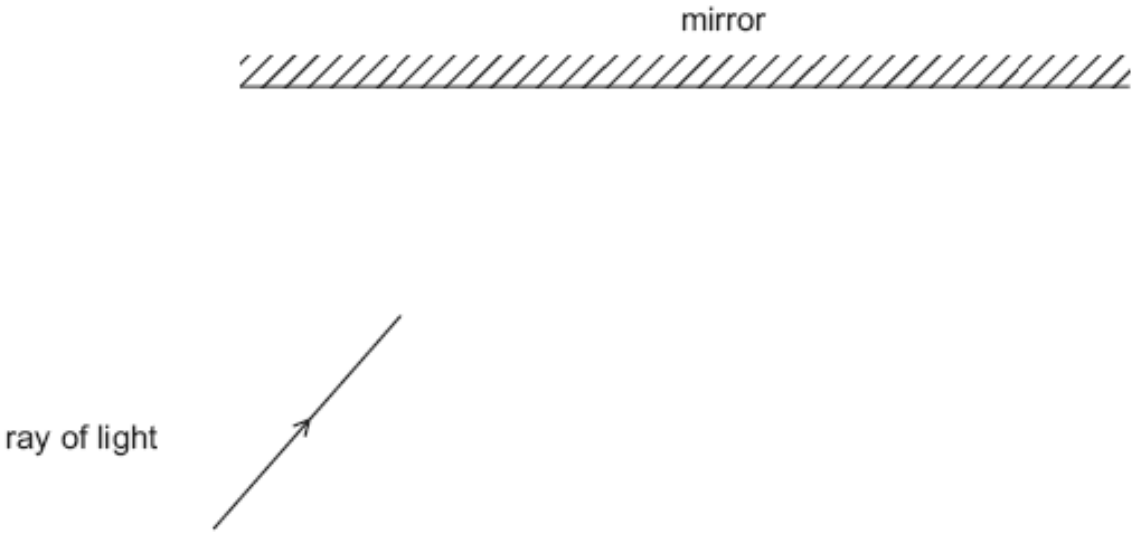
Aluminium → _____

Tin → _____

PHYSICS

Q1. **(a)** The Law of Reflection states that when a ray of light is reflected at a surface, the angle of incidence equals the angle of reflection.

Complete the diagram to show how a ray of light is reflected by a plane (flat) mirror. Label the angle of incidence and angle of reflection.



[3]

(b) When white light passes through a prism, it is split into its component colours.

(i) Which colour is refracted most by the prism?

.....

[1]

(ii) Why are some colours refracted more than others?

.....

.....

[1]

Q2. Fig. 4.1 shows an old coin displayed in a museum.

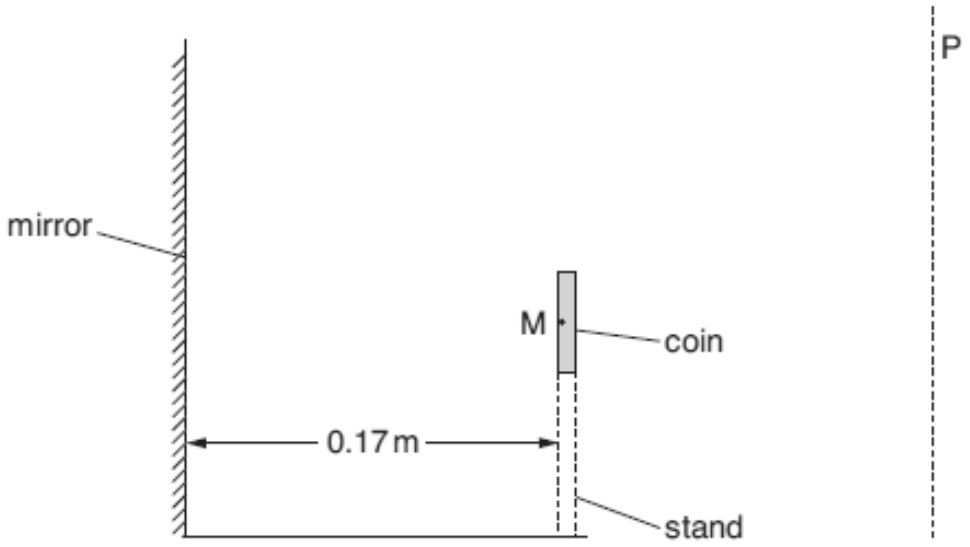


Fig. 4.1

The coin is vertical and is supported by a transparent stand. A vertical mirror 0.17 m behind the coin ensures that the back of the coin can be seen by a visitor looking from the line P.

M is a point on the back of the coin.

(a) On Fig. 4.1,

(i) draw **two** rays of light from M to show how its image is produced, [2]

(ii) label the image I. [1]

(b) State the distance from point M on the coin to its image.

distance = ...[1]

Q3. In this question, drawing should be done carefully.

Fig. 6.1 shows a ray of light striking mirror 1 at point X.

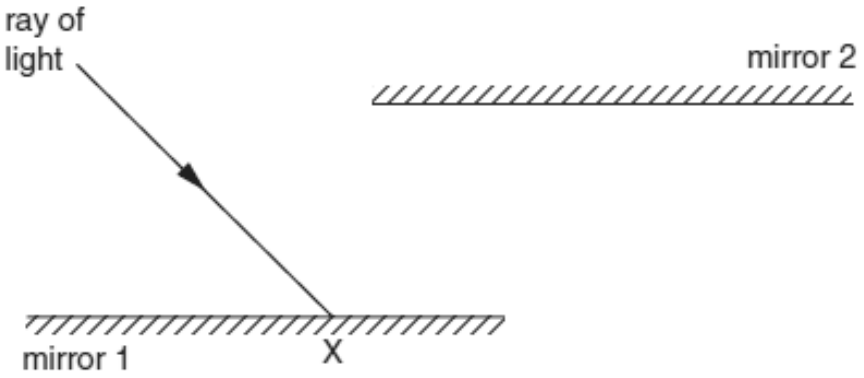


Fig. 6.1

(a) On Fig. 6.1,

(i) draw the normal at X,

(ii) draw the ray reflected from mirror 1,

(iii) mark the angle of incidence using the letter *i* and the angle of reflection using the letter *r*.

[3]

(b) Mirror 2 is parallel to mirror 1. The reflected ray from mirror 1 strikes mirror 2.

Compare the direction of the ray reflected from mirror 2 with the incident ray at X. You may do a further construction if you wish. Complete the sentence below.

The reflected ray from mirror 2 is .....

.....[1]

Q4. **(a)** A ray of light passes through a rectangular glass block, as shown in Fig. 4.1. It emerges at point **X**.

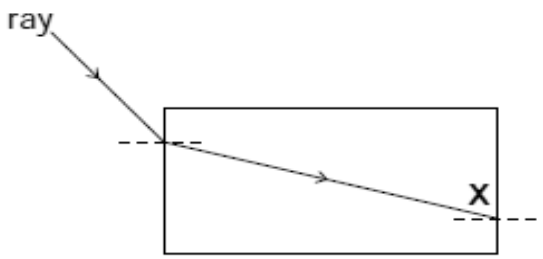


Fig. 4.1

On Fig. 4.1, draw the ray which emerges from the block at **X**. [2]

(b) The glass of which the block is made has a critical angle of 42°.

Another ray passes into the block as shown in Fig. 4.2.

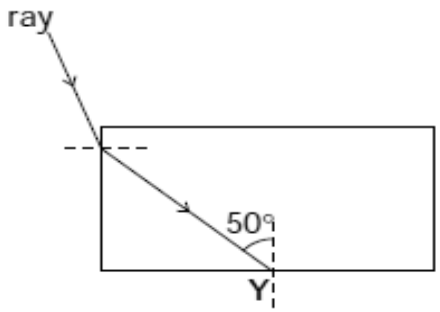


Fig. 4.2

(i) On Fig. 4.2, show what happens to the ray at **Y**.

(ii) Why does this happen?

.....

.....[3]

(c) A third ray enters the block perpendicularly, as shown in Fig. 4.3.

Fig. 4.3

On Fig. 4.3, draw the ray as it passes through the block and out into the air again. [2]

Q5. Fig. 6.1 shows a ray of white light from a ray-box passing into a glass prism. A spectrum is formed between P and Q on the screen.

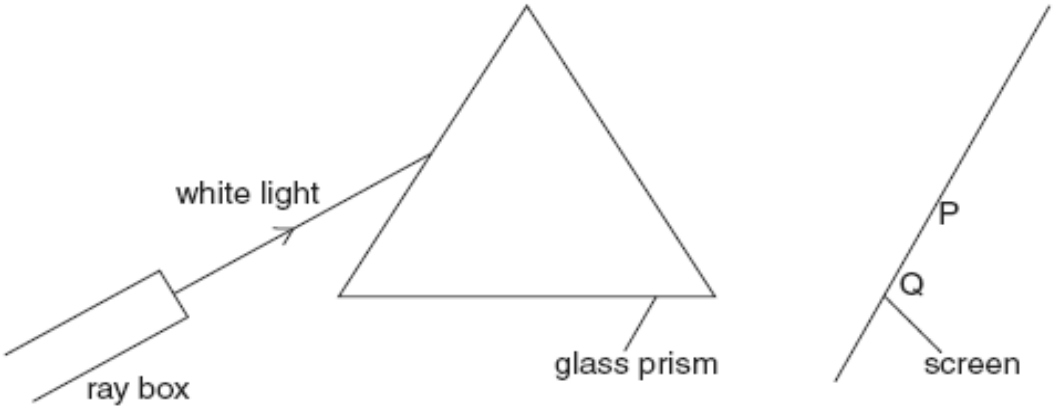


Fig. 6.1

(a) State the colour of the light at end P of the spectrum.

..... [1]

(b) State whether the value of each of these properties for blue light is greater than, equal to or less than the value for red light.

(i) speed in a vacuum ..... [1]

(ii) wavelength ..... [1]

(c) Fig. 6.2 shows the ray passing through a red filter before it reaches the prism.

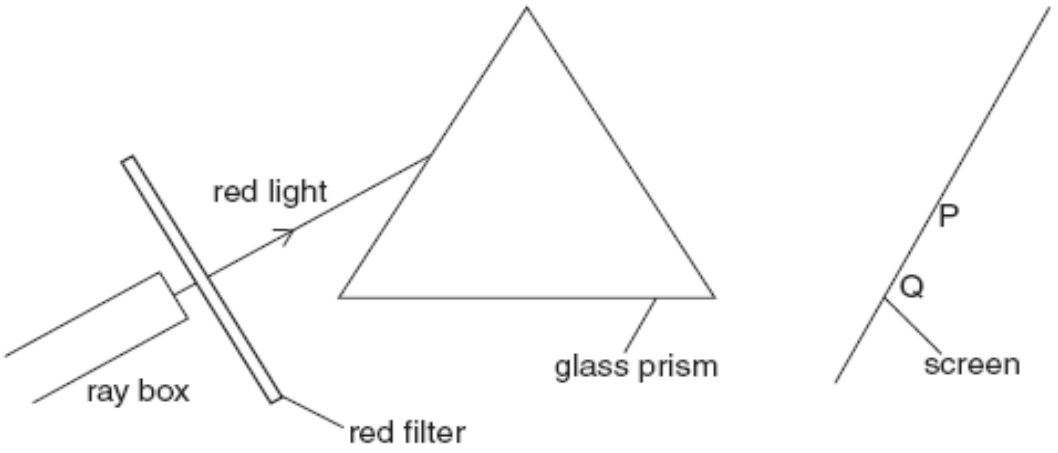


Fig. 6.2

Complete Fig. 6.2 to show the ray of red light passing through and emerging from the prism. [2]

Q6. **(a)** In Fig. 6.1, a ray of red light is shown passing through a triangular glass prism and on to another prism that is identical but upside down.

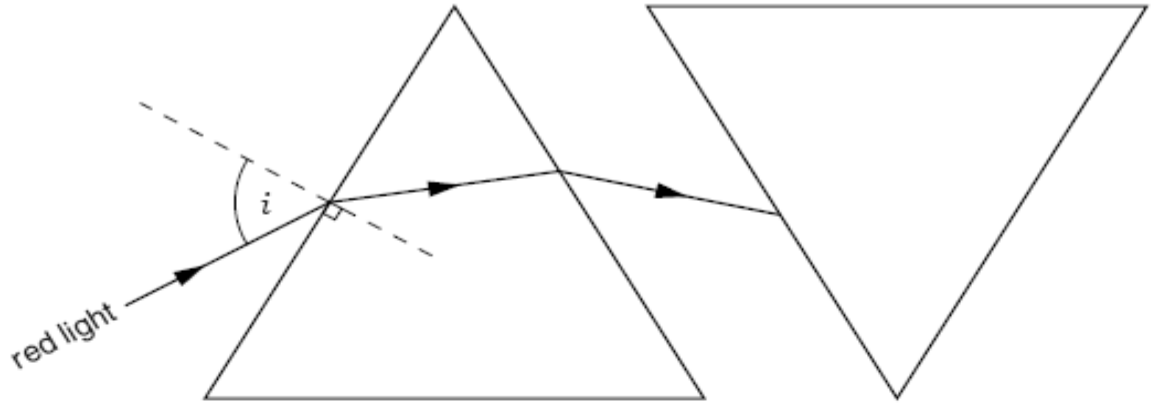


Fig. 6.1

(i) The angle of incidence of the red light at the first surface is shown on Fig. 6.1 as i.

On Fig. 6.1, use the letter r to mark clearly the angle of refraction at the first surface. [1]

(ii) On Fig. 6.1, complete the path of the ray through the right-hand prism and out into the air again. Label the emergent ray "line R". [3]

(iii) The beam of red light is moved so that it shines into the right-hand prism along line R.

Using the letter P, mark clearly the point where this ray will emerge from the left-hand prism. [1]

(b) On another occasion, a beam containing a mixture of red and blue light is shone into a prism, as shown in Fig. 6.2.

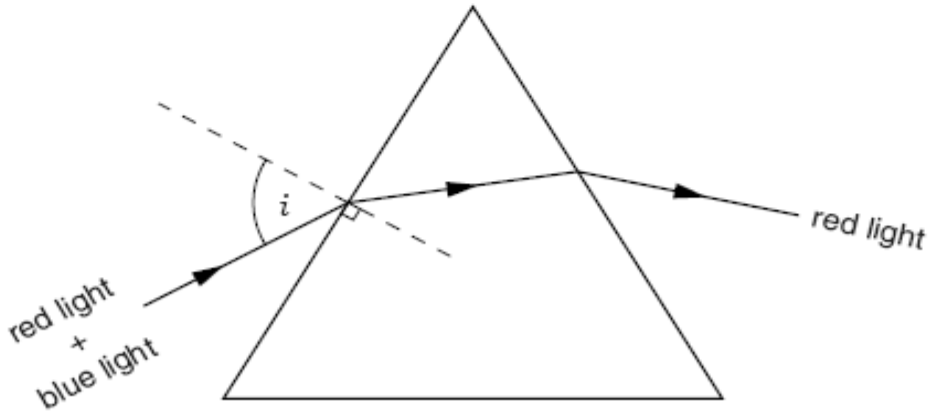


Fig. 6.2

(i) On Fig. 6.2, draw the path of the blue light through the prism and out into the air again. [3]

(ii) Refraction is occurring at the first surface.

Which of the following is also occurring? Tick one box.

diffraction	☐
dispersion	☐
focusing	☐
total internal reflection	☐

[1]

Q7. **(a)** A ray of red light passes through a rectangular glass block, as shown in Fig. 6.1.

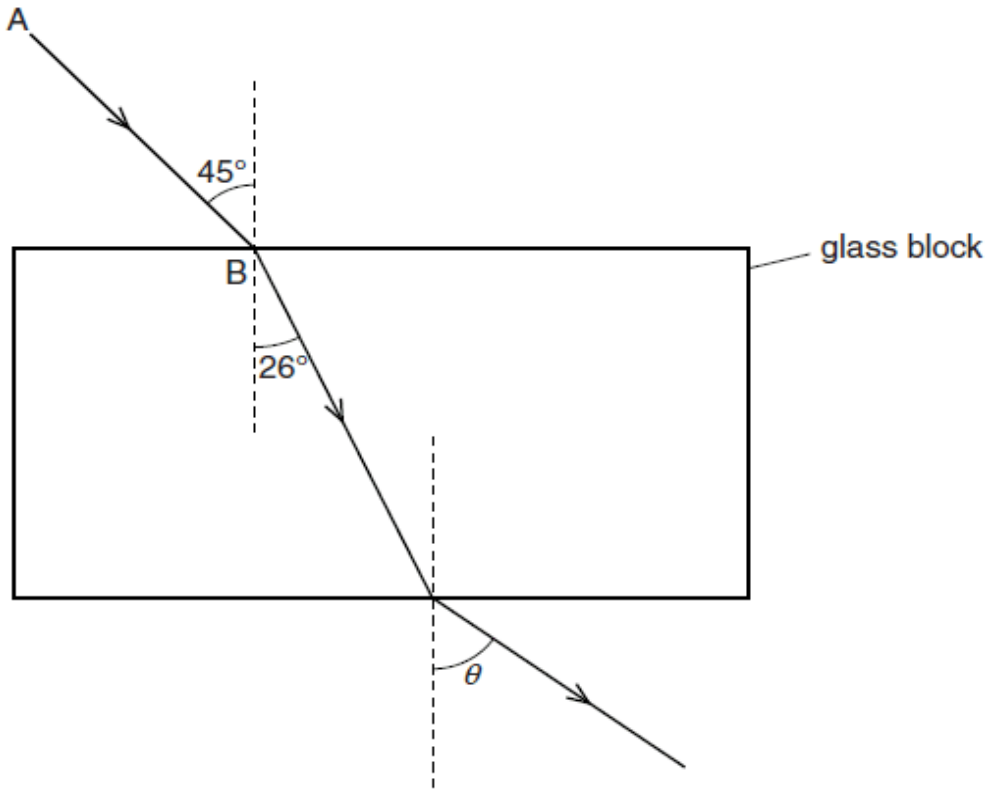


Fig. 6.1

(i) What name describes what happens to the ray of light at B?

.....

(ii) On Fig. 6.1, the emergent ray is not drawn at the correct angle θ to the normal.

State the correct value of the angle θ.

θ = ...

[2]

(b) A ray of blue light is directed into a glass prism, as shown in Fig. 6.2.

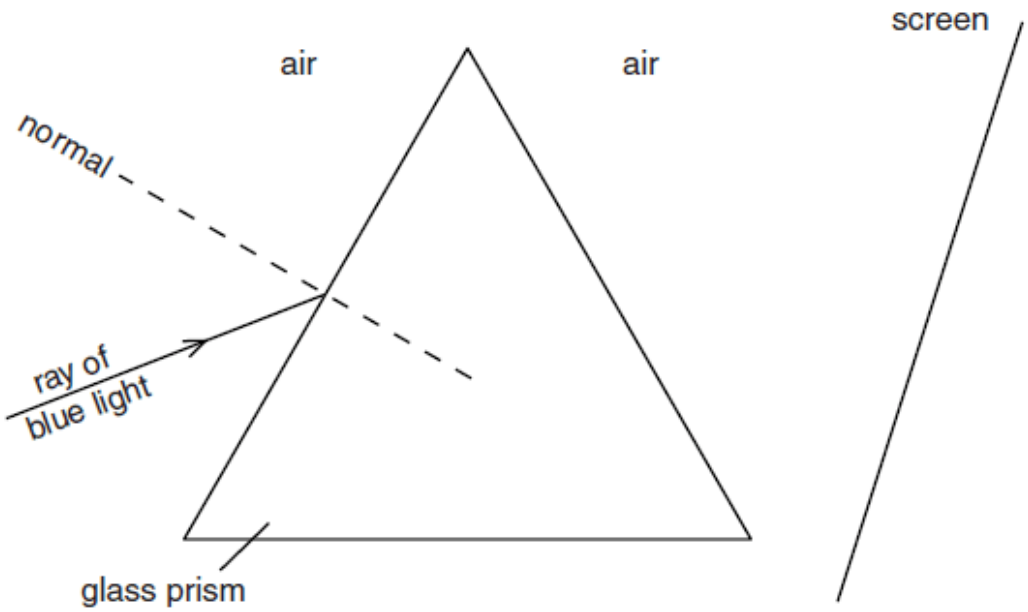


Fig. 6.2

(i) Using your ruler, draw a possible path for the blue light, until it reaches the screen.

(ii) The ray of blue light is replaced by a ray of red light.

On Fig. 6.2, mark an X to show where the red light might hit the screen.

[3]

BIOLOGY

NOTE –

Home work is divided into 2 parts –

a. Making a power point presentation on topic given. Refer to the text book and research.

b. Written assignment

The assignment sheets should be pasted in notebook.

The assignments should be brought on the first working day.

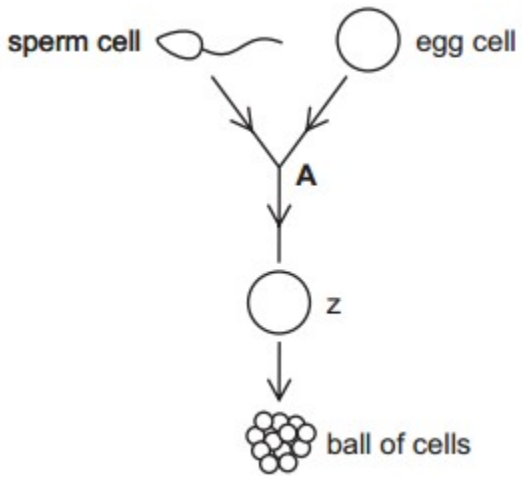
a. POWER POINT PRESENTATION

Topic	Roll number	Sub topic
Diet		
	1 -2	Conception and development in womb
	3-5	Growth & development in young people
	6 - 8	Behavior, general health, malnutrition & starvation, obesity
Drugs		
	9-10	Conception and development in womb
	11 - 13	Growth & development in young people
	14 - 16	Behavior, general health, treating and preventing drug abuse
Disease		
	16-17	Conception and development

		in womb
	20 - 21	Growth & development in young people
		Behavior, general health
	22 - end	Fighting diseases, development of immunization

b. <u>WRITTEN ASSIGNMENT</u>

1. The diagram below shows the gametes in humans.



a. From the figure above –

i. Name a diploid cell
……

ii. State and explain the term to describe what happens at A
……

……
……

iii. What is shown at Z?

.....
.....

b. Cell division of the zygote produces a ball of cells.
Describe in detail where in the female reproductive system this ball of cells is positioned for the next stage of development.

.....
.....

.....
.....

2. A woman has menstrual cycle every 28 days.

a. Put the statements in the correct order.

Statement	Order
Ovulation occurs	
The level of female hormones drop quickly	
Inner lining of the uterus is lost as menstrual blood	
The egg travels from the ovary to the uterus	
A new egg starts to develop in the ovary	

b. What happens to the egg cell if the egg is fertilized by the sperm cell?

.....
.....

c. If the egg is fertilized, a fetus can develop in the female reproductive system.

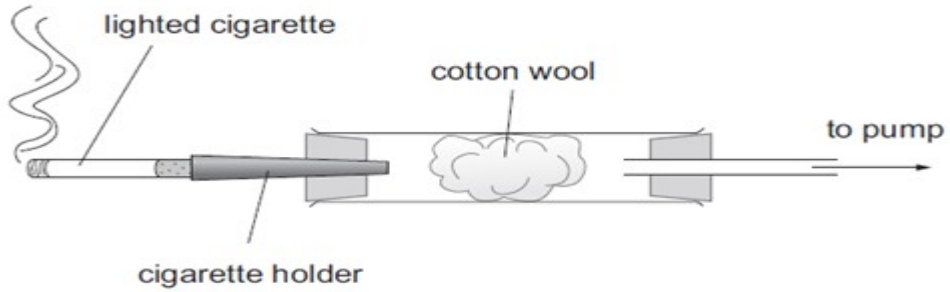
i. Where does the fertilization occur? Circle the correct answer.

OVARY **OVIDUCT** **UTERUS**

ii. Where does the fetus develop?

.....
.....

3. The effects of smoking can be demonstrated as follows.



a. Describe what happens to the cotton wool during the demonstration?

.....
.....

b. Why does the above happen?

.....
.....

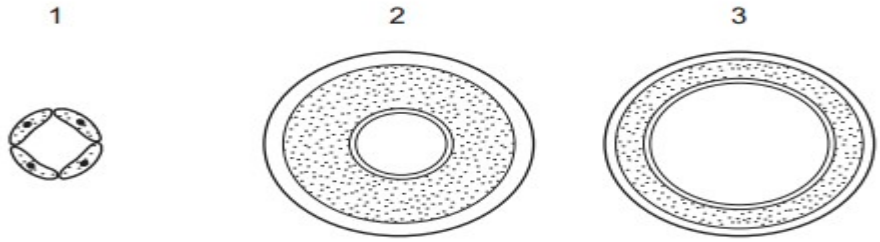
c. Which part of the body does the cotton wool represent?

.....
.....

d. Describe one effect of smoking on health.

.....
.....

4. The diagram below shows the section of the three types of blood vessels found in human body.



a. Name the above blood vessels.

.....

b. Give one visible feature of the above blood vessels that helped you to identify them.

.....

.....

5. Using the words given below, complete the paragraph to describe how the student's body changes as she exercises.

CARBON DIOXIDE DEEPER FASTER GLUCOSE GLYCOGEN RESPIRATION RUNNING SHALLOWER SLOWER.

The student needs more energy for her leg muscles to contract, so the rate of

..... increases in her muscle cells. Her blood supplies more oxygen and

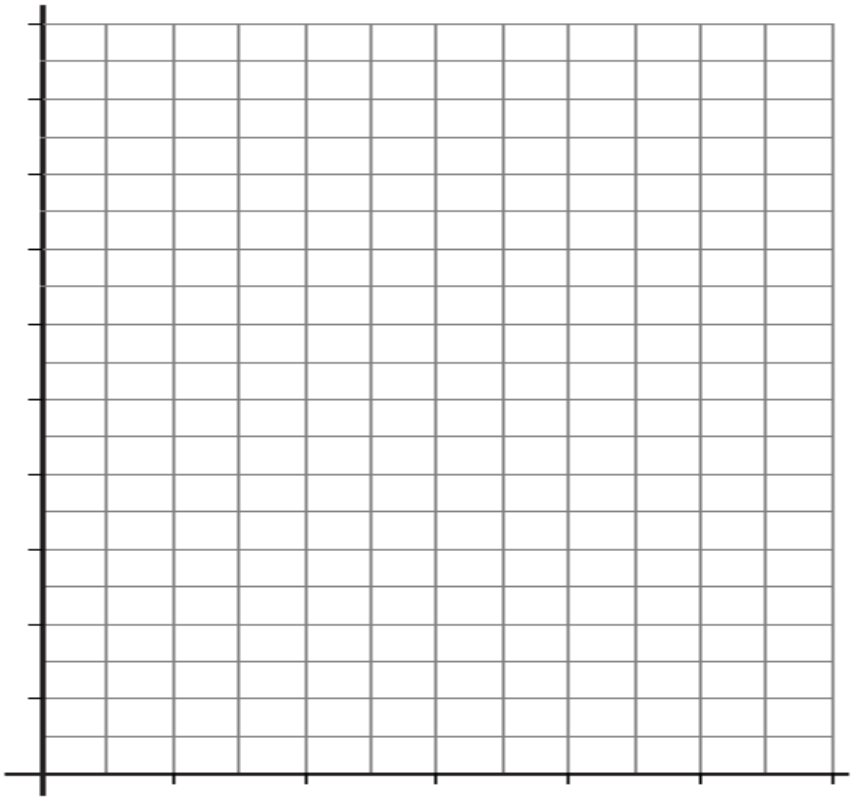
..... to her muscle cells and removes more .....

To do this the student's heart beats at a ..... rate.

6. A student records her observation to show that there is a relation between exercise and pulse rate.

type of exercise	pulse rate / beats per minute
resting	74
walking slowly	87
walking quickly	116
running	163

a. Draw a bar graph to show her result. Do not forget to add labels.



b. The student also observed that on several instances during exercise, he had developed severe muscle pain. Give the reason for this pain and what should be done by the student to relieve the pain.

.....
.....

.....
.....
.....

GERMAN

Frage1 :Bilde die Sätze

a. Jeden Tag – aufstehen – wir – 7.00 Uhr – um.

_____

b. Am Samstagvormittag – wir- zusammen- gehen – auf den Sportplatz.

_____

c. Abend - fernsehen - nicht so gern -Anna - am.

_____

d. du – Wann – Sport – hast ?

_____

e. Krimi – magst – du?

_____

Frage2 :Ergänze das Verb! (sprechen, nehmen, essen, anrufen, fernsehen)

a. Morgen _____ ichmeine Mutter_____.
b. Hast du Hunger? Was _____ du?
c. Peter _____ gern _____.
d. Wir _____ nur Deutsch.
e. Möchtest du eineSchokolade _____?

Frage3 :Wiespätistes? (unoffiziell)

a) 6.10 - _____
b) 3.45- _____
c) 12.30- _____
d) 6.35- _____
e) 4.55- _____
f) 1.20-_____
g) 2.25-_____
h) 3.15-_____

Frage 4 : Konjugier die passende Verben !

essen , trinken, nehmen, finden, möchten

a. Emily und Jan _____ gern Cola.

b. Wir _____ Pizza.

c. Nein, keine Cola bitte.Ich _____ einen Saft.

d. _____du eine Limonade trinken?

e. Ich _____ meine Englischlehrerin sehr nett.

Frage 5 : Antworte bitte! (Don’t write 1 word answer. Write complete sentence.)

a. Was machst du am Nachmittag? _____
b. Um wie viel Uhr stehst du auf?
_____

c. Wie lange bleibst du in der Schule? _____
d. Was isst du normalerweise zum Mittag? _____
e. Siehst du gern fern?_____
f. Brauchst du den Spitzer? _____
g. Wann fängt der Schule an?_____
h. Hast du Hunger?_____
i. Wann gehst du schlafen ? _____

Frage 6 : Was passt zusammen?

a. Was isst du?	1)Ich möchte Chips essen.
b. Trinkst du eine Cola?	2) Nein, ein Wurstbrot
c. Hast du Durst?	3)Um 17.30 Uhr
d. Was möchtest du?	4)Ich esse ein Brot.
e. Was sieht er gern?	5)Um 13.00 Uhr
f. Wann siehst du Fern?	6)Nein, ich habe keinen Durst.
g. Wann spielst du?	7)Ich möchte einen Kuchen
h. Was möchtest du essen?	8)Ja,ich trinke eine Cola
i. Siehst du gern den Krimi?	9)Er sieht die Quizshow gern.
j. Magst du eine Currywurst?	10)Nein,ich sehe nur den Dockumentarfilm.

Frage7 :Ergänze das richtige Verb !

spazierengehen anfangen aufstehen mitnehmen anrufen

a) Der Mann _____ am Morgen _____.
b) Wann _____ die Sendung_____ ?
c) Wir haben Prüfungen. Wir _____ jeden Tag um 5 Uhr _____.
d) Wann _____ du deine Mutter _____ ?
e) Die Kinder _____ ihre Hefte zur Schule _____.

Frage8 :Ergänze die richtigen Form von Verben.

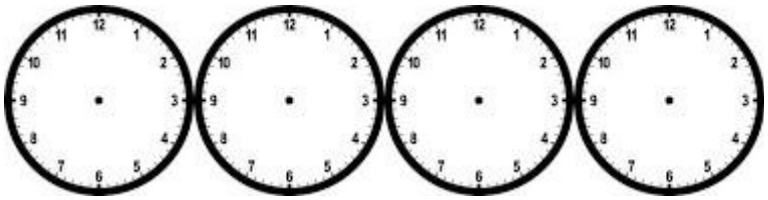
1. Das Kind ____ 12 StundenJeden Tag. (schlafen)
2. Wielange _____ du die Zeitung? (lesen)
3. Mein Bruder _____ BrotmitHonig. (essen)
4. Ich _____ einen Hamburger. (nehmen)
5. Wann _____ der Bus nach Agra? (fahren)

6. Opa und Oma _____ gernQuizshows. (sehen)
7. Was _____ esimFernsehenheute? (geben)
8. Wie _____ du Mathe? (finden)
9. Mein Onkel _____ nachItalien. (fahren)
10. Er _____ Jeans. (tragen)
11. Wann _____du ?(frühstücken)
12. Er _____um 5 UhrnachHause _____(zurückkommen)
13. Kinder _____ihre Mutter _____(anrufen)

Frage9 :Ergänze : um, von.....bis, oder am

a) Wiressen ____ 19.30 UhrzuAbend.
b) _____ Sonntag schlafeichbis 9Uhr.
c) _____ Abendseheichbis 10 Uhr fern.
d) Meine Mutter stehtjeden Tag ____ 6.30 Uhr auf.
e) _____ Wochenendegeht Tina in die Musikschule.
f) Ichspielejeden Tag Fuβball _____ 5 Uhr ____ Uhr.

Frage10 : Mal die Uhrzeiten .



i) viertel nach zwei ii) zwölf Uhr iii) halb vier iv) zehn nach fünf

Frage11 :ErgänzenSie

dick - Kuchen - Eltern - Familie - kochen

Hallo, ichheiβe _____. Rosi. Ichkann gut Manchmalkocheich am Wochenendefür die ganze _____. Leideresseichauchsehrgern. Deshalb bin ichziemlich_____. Meine _____ sagen, ich muss vielFisch, Obst und Gemüseessen. SiehabenjaRecht. Aberich mag lieberFleisch, _____und Eis und Cola.

Frage12 :Ergänze die Lücken!

Abendessen – Mitternacht - Bett - Musik – Freundin –

Café - Supermarkt - faul – Kaffee – Hause

Franz Tutnixistsehr_____. Jeden Tag stehter um halb elf auf. Erfrühstücktgemütlich: Ertrinktviel _____, und isstvielBrot, Wurst ,Käse, Marmelade und einenJoghurt. Um elf isterfertig. Danngehterspazieren.

Zweimal pro Wochegehter in den _____ und kauftein. ErkauftimmervielSchokolade!Umviertelnacheinsisterwiederzu _____und isstzuMittag. Nachdem Essen, so gegenzweiUhr, gehterschlafen, denneristschonwieder so müde. Um vierUhristerwiederfrisch .Erhört _____und sieht fern. Um siebengibtesdann_____..Etwa um halbneungeht Franz aus.Ergeht in die Kneipeoder ins _____ .Manchmalgehtermit seiner _____Susi ins Kino. Um _____ isterimmerzuHause. Eristmüde und geht ins _____. GuteNacht Franz, schlaf gut!

Frage 13: Make a New Year Card in German. (The lines should be written only in German

SPANISH

1. “En busca del amigo desparecido” by Maureen Simpson. Read the book and write the book review in form of project on the same on A4 size sheet with proper acknowledgement, summary and your opinion on the story.
2. Revise for IPT 2. Module 5- preparate, Toca A to A y B to be done in notebook.

FRENCH

Make a chart describing your favorite city / country in French.

Take help of unit 8 of your book.

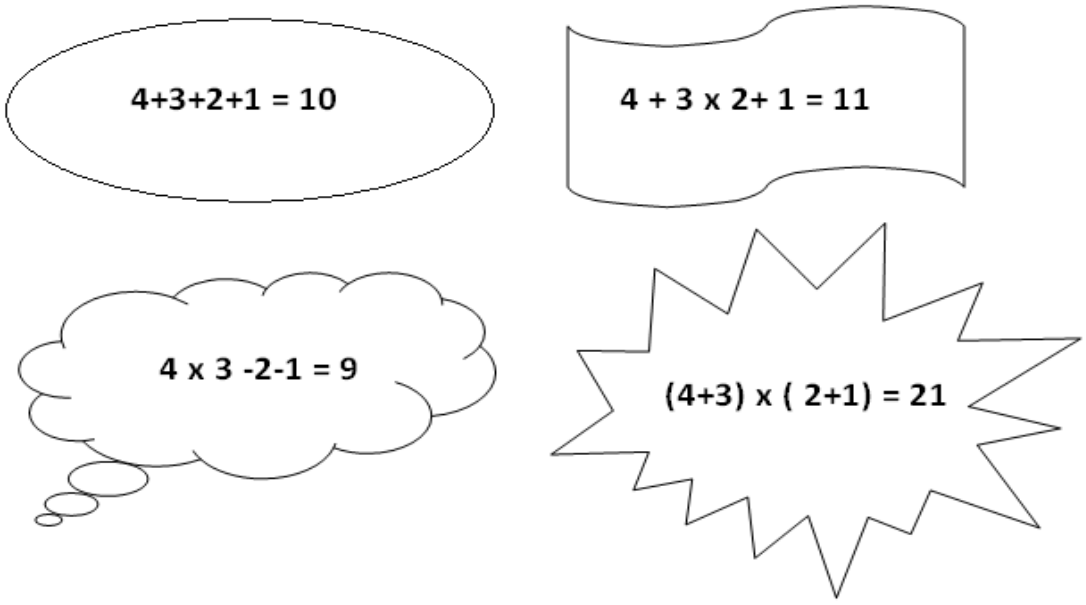
MATHEMATICS

NOTE:

Ensure that the work is done on A_4 size sheets and is in neat handwriting.

(Do not use your Maths. fair notebook for this assignment.)

1. All these calculations contain the numbers 4, 3, 2 and 1, in that order.
   Addition, subtraction, multiplication and brackets have been used to make the results 9, 10, 11 and 21.



(a) How many different results can you make using only addition, subtraction, multiplication and brackets?
(b) Now reverse the order to 1,2,3,4. Can you make more results than before, or fewer?

2. A measuring cup has lines marking the fractions $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ and $\frac{3}{4}$ of a cup. In what order should the lines on the cup be labeled, starting with the bottom line of the measuring cup?

3. Frank and Joey ordered a large pizza. Frank ate 30% of the pizza and Joey ate 2/5 of the pizza. What percentage of the pizza did they eat in all?

4. A box contains 20 computer discs. 1/5 of the discs are used.
(i) Write 1/5 as a decimal.
(ii) Write 1/5 as a percentage.
(iii) Work out how many discs are used.

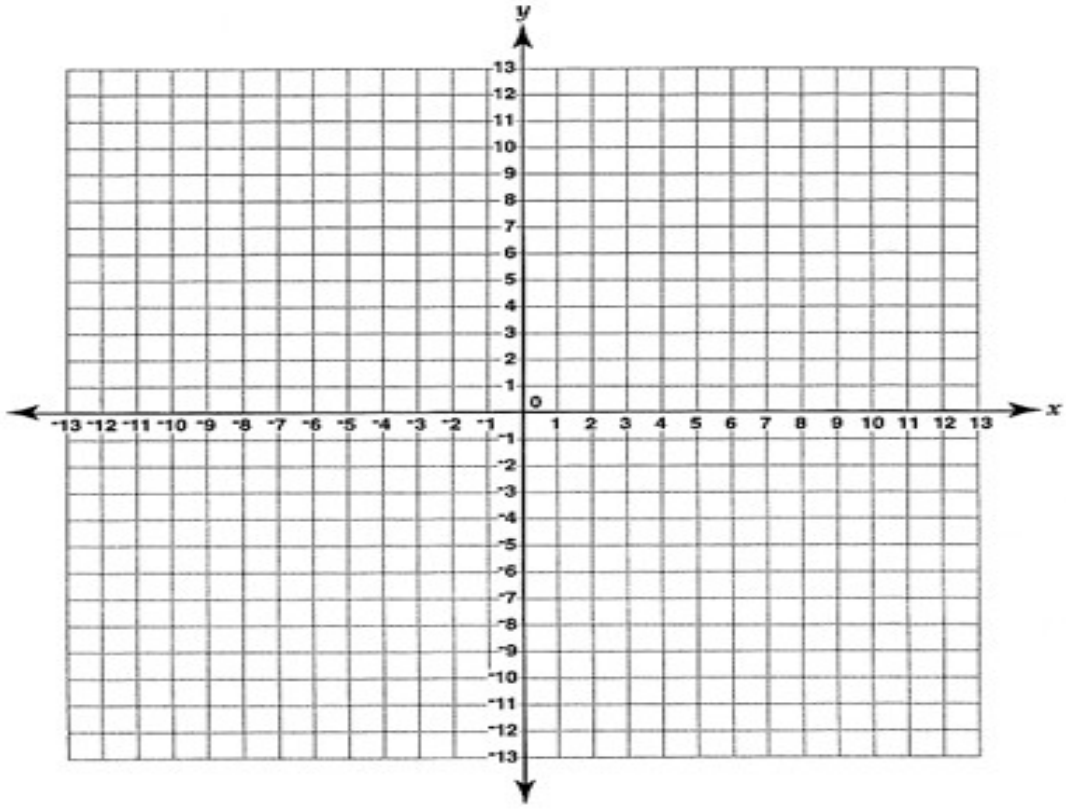
5.(i) Order the decimals from least to greatest.
4.23, 4,09, 4.8 , 4.13 , 4.2 , 0.999
(ii) Order the set from greatest to least.
0.69 , 72% 0.83 , 91% , 12/25 , 17/50

6. Plot the following straight lines on the grid: (Complete table of values for both the equations.)

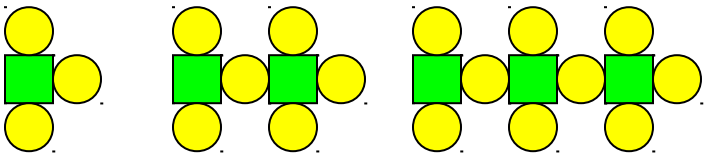
(i) y =2 x + 1 (ii) y = x – 1

x			
y			

x			
y			



7. What comes next? Draw the next term and complete the grid.



No. of	1st	2nd	3rd	4th	5th	6th	7th

term							
Squares	1	2	3				
Circles	3	6	9				

8. Haider counted the number of sweets in 20 packets.

The table shows information about his results.

Number of sweets	Frequency	Number of sweets × Frequency
46	3	
47	6	
48	3	
49	5	
50	2	
51	1	

(a) What is the mode number of sweets?

(b) Work out the range of the number of sweets.

(c) Work out the mean number of sweets in the 20 packets.

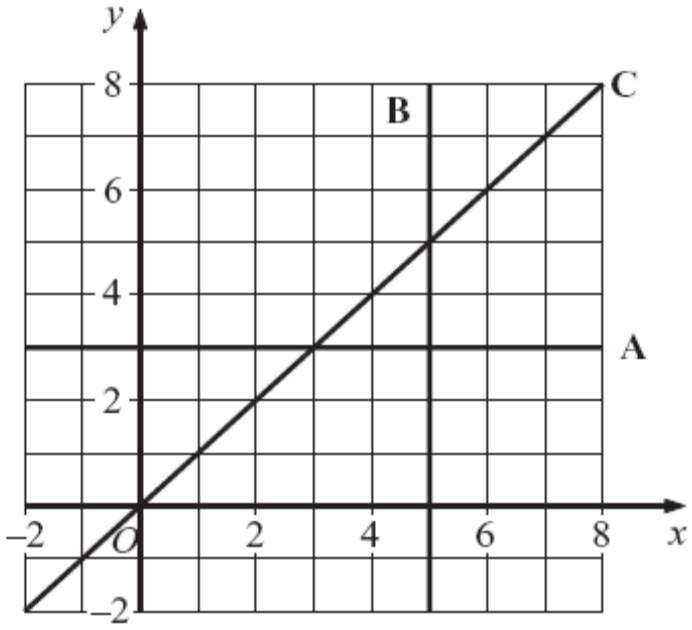
9. Write down the equation of

(i) line**A**,

(ii) line**B**,

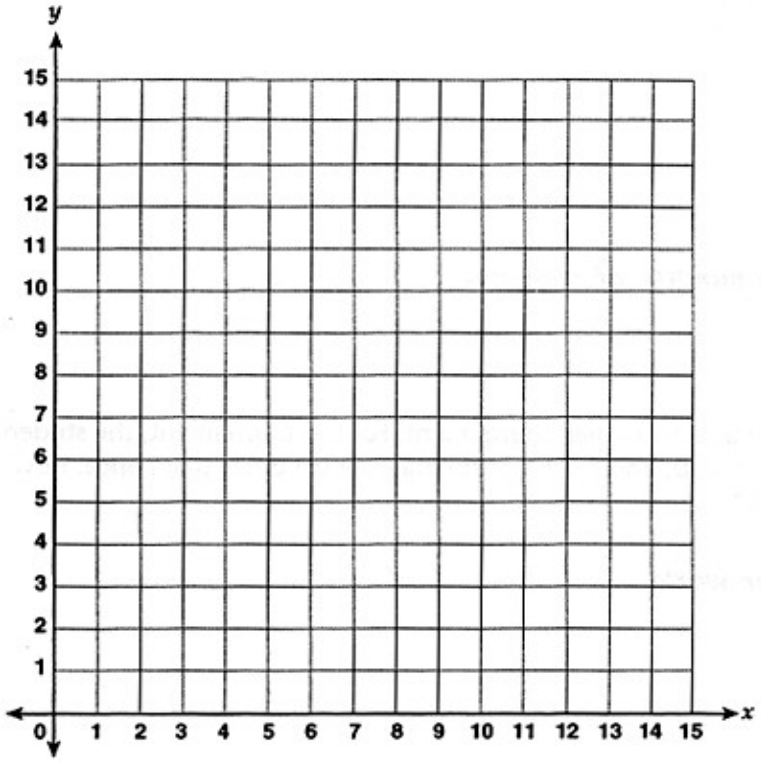
(iii) line**C**.

from the grid given below.



10. One afternoon event was a race through the park. The race started at the point with the coordinates of (2, 3). The first turn was at (2, 6). The second turn was at (6, 6), and the third turn was at (6, 8). The race ended at (12, 8).

On the grid below, show the path of the race by plotting and connecting the points in the order given above. Label each of the points with the coordinates.



11. Write expression for the ***nth* term** of the sequences given below:

(i) 3, 7, 11, 15...

(ii) -2,3,8,13...

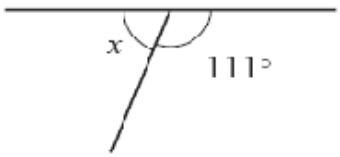
12. Write the first five terms of a sequence if their ***nth* term** is given as:

(i) $\mathbf{t_n} = 3n - 1$

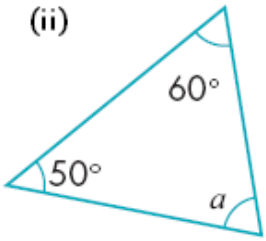
(ii) $t_n = 1 - 2n$

13. Find the unknown angles:

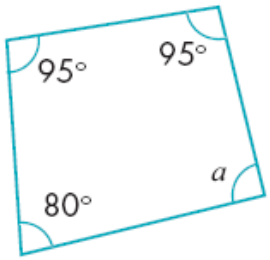
(i)



(ii)



(iii)



VISUAL ARTS

The students are suppose to make a spray painted poster with overlapped shapes for a musical evening called ‘Musica’ with an imaginary location and timing.