

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
SUBJECT: COMPUTER
CLASS – VII
WORKSHEET : 1
DATE: 02-04-2020
TOPIC : NUMBER SYSTEM



Exercise

A. Choose the correct answer. **CLICK TO LEARN**

1. The base of binary number system is:
a) One b) Two
c) Both (a) and (b) d) None of these
2. 'B' in hexadecimal represents:
a) 12 b) 15
c) 10 d) 11
3. Binary addition of two '1s' leads to a _____.
a) Zero b) Zero with borrow of 1
c) Zero with a carry of 1 d) One with a carry of 1
4. The decimal equivalent of $(A)_{16}$ is:
a) $(10)_{10}$ b) $(30)_{10}$
c) $(128)_{10}$ d) None of these

B. Fill in the blanks. **CLICK TO LEARN**

15728640, Decimal, 64, 8, 4

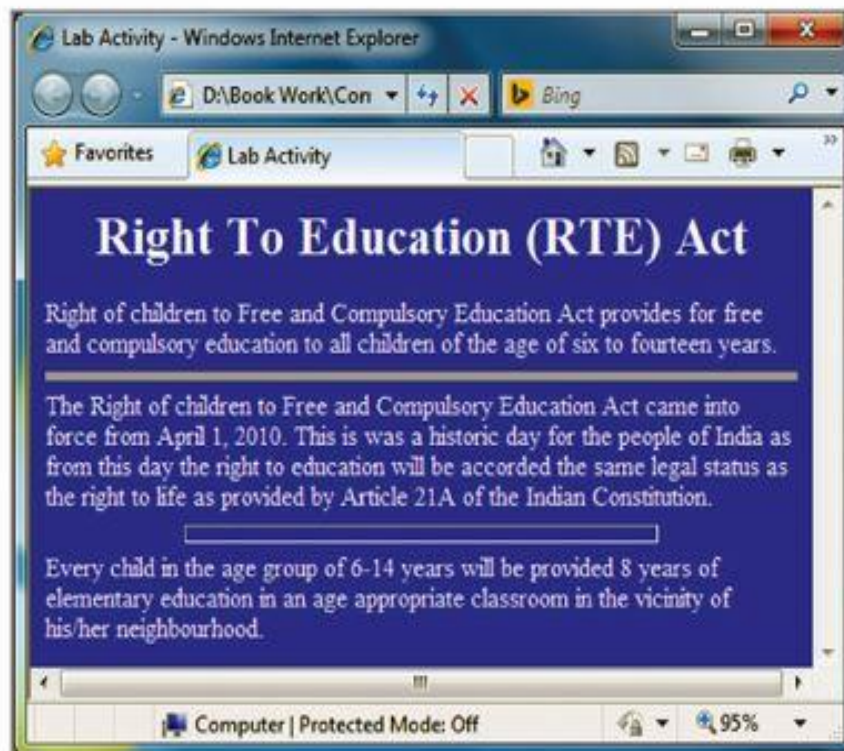
1. 1 byte is a combination of _____ bits.
2. 1 nibble = _____ bits.
3. 15 MB = _____ bytes.
4. A coding system using six bits to represent any character can use _____ characters in its character set.
5. In our daily life we use _____ number system.

C. Tick (✓) the correct statement and cross (✗) out the wrong one. **CLICK TO LEARN**

1. Binary digits 0 and 1 denote the absence and presence of electronic pulse in a circuit respectively.
2. The base of decimal number system is 8.
3. $(571)_8$ is an invalid octal number.
4. $(A0571)_{16}$ is an invalid hexadecimal number.
5. In decimal number system there are digits from 0 to 9.

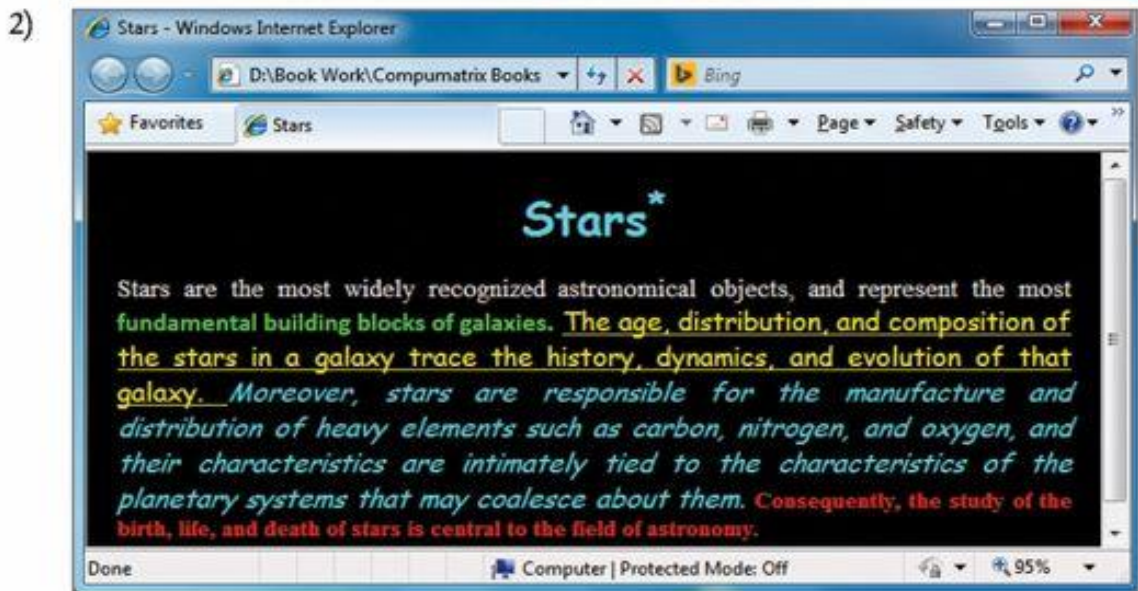
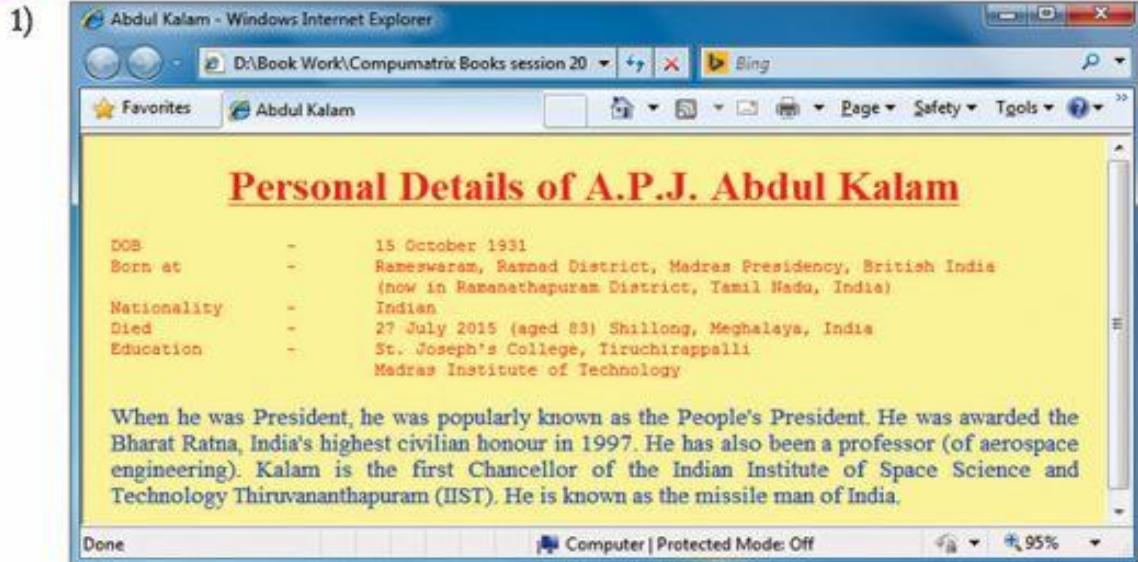
SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
SUBJECT: COMPUTER
CLASS – VII
WORKSHEET : 2
DATE: 06-04-2020
TOPIC : HTML

- A. Write the HTML codes to represents “I Love My India” in the following style:
- Heading level should be in <h1> tag and center aligned.
 - Write 50 words about India and make it center aligned.
 - Background colour should be cyan.
- B. Write the HTML code for the design of web page given below:



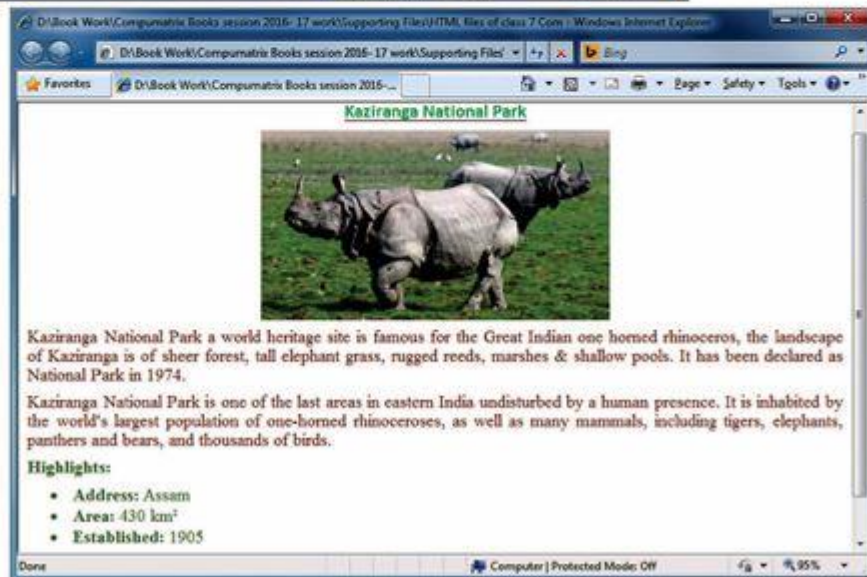
SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
SUBJECT: COMPUTER
CLASS – VII
WORKSHEET : 3
DATE: 10-04-2020
TOPIC : HTML

Make HTML program for the given output.



SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
SUBJECT: COMPUTER
CLASS – VII
WORKSHEET : 4
DATE: 14-04-2020
TOPIC : HTML

A. Design the web page as given below.



C

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS-VII
ENGLISH WORKSHEET – 1

1. Read the passage and answer the questions that follow:

Only a century ago most villages were largely self-sufficing communities. Every trade was represented by its local technicians, the local produce was consumed or exchanged in the neighbourhood; the inhabitants worked on the spot. If they desired instruction or entertainment or religion, they had to mobilize the local talent and produce it themselves. Today, all this is changed. (para 1)

Thanks to new methods of transport, the village is now closely bound with the rest of the economic world. Supplies and technical service are obtained from a distance. Large number of the inhabitants go out and work in factories and offices in far-off cities. Music and drama are provided not by local talents, but over the radio, the television and at the theatres. (para 2)

Once all the members of the community were always on the spot; now, thanks to cars, motor- cycles and buses, the villagers are rarely in their village.

Community farms, community worship, community efforts to secure culture have tended to decline simply because in leisure hours, a large part of the community's membership is always somewhere else. Nor is this all. The older inhabitants of Middletown complained that the internal combustion machine had led to a decline of neighbourliness. Neighbours have Fords and Chevrolets; consequently they are no longer there to be neighbourly; or, if by chance they should be at home, they content themselves with calling up on the telephone. (para 3)

Improved transport and technological progress have reduced the number of physical contacts, impoverished the spiritual relations between the members of a community. (para 4)

I. On the basis of your reading of the passage, answer the following questions:

- a. What was the state of villages a century ago?
- b. How is the village well connected with the rest of the world?
- c. What are the major sources of entertainment these days?
- d. What is the harmful effect of technological progress?
- e. How has neighbourliness declined?
- f. Find a word from the passage, which means the same as, 'organize'. (Para 1)

II. Choose the correct option: (2)

a. The villagers relied for their education, amusement and religion on

- i. specialists
- ii. trained hands
- iii. local experts
- iv. well-qualified people

b. The major source of amusement these days is _____.

- i. outdoor games
- ii. excursions, tours and picnics
- iii. dance, song and music
- iv. radio, television and theatre

2. Read the following poem and answer the questions that follow:

Here the voice of the wind call our wandering

feet, Through echoing forest and echoing

street,

With lutes in our hands ever-singing we roam,

All men are our kindred the world is our

home. (stanza 1) Our lays are of cities whose

luster is shed,

The laughter and beauty of women

long dead, The sword of old battles,

the crown of old kings,

And happy and simple and sorrowful

things. (stanza 2) What hope shall we

gather, what dreams shall be sow? Where

the wind calls our wandering footsteps we

go. No love bids us tarry, no joy bids us

wait,

The voice of the wind is the voice of our fate. (stanza 3)

I. On the basis of your reading of the poem, answer the following questions:

- a. Which musical instruments do the singers carry?
- b. What does 'voice of fate' refer to?
- c. Find a word from the poem which means the same as 'gleam'. (stanza 2)

II. Choose the correct option:

a. _____ is / are narrating the poem.

i. The poet

ii. Wandering singers

iii. Old kings

iv. Women

b. All men are _____ of the wandering singers.

i. kindred

ii. enemies

iii. kings

iv. Sisters

**SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS – VII
ENGLISH WORKSHEET - 2**

Q 1. Read the passage and answer the questions that follow:

Good citizens know and understand that they have a responsibility towards the country, society, environment and law. A good citizen has many traits. A good citizen is a good neighbour and cares for people around him. He will not ignore his locality and its people. He will make it a point to share his time and skill with community to make it better, cleaner and safer. He will conserve the natural resources by practicing the three R's: Reduce, Re-use and Recycle. He will stay informed on contemporary, social, political, and economic issues and will not hesitate in voicing his opinions and decisions by voting. (para 1)

In contrast, the traits of bad citizenship are also innumerable. A bad citizen is a self centred person, who looks out only for himself. He wastes natural resources and is in the habit of littering. He does not take interest in political matters and does not vote. He shows an irresponsible behaviour not only towards his country but also towards himself. (para 2)

I. On the basis of your reading of the passage, answer the following questions:

- a. What does a good citizen understand?
- b. How does a good citizen benefit the community?
- c. What are the three Rs?
- d. What will a good citizen be informed about?
- e. What does a good citizen take interest in?

f. Find a word from the passage which means the same as 'characteristics'. (para 1)

II. Choose the correct option:

a. A good citizen has _____ traits.

i. country

ii. relatives

iii. innumerable

iv. Friends

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
ENGLISH WORKSHEET – 3

Q- Fill in the blanks with correct/appropriate form of tense

- 1- Good students alwayshard. [study]
- 2- He usually.....Bhojpuri. [speak]
- 3- Mother always..... food in the kitchen. [cook]
- 4- A vegetarian is a person who nevermeat. [eat]
- 5- Theyto the hill station for a month every summer. [go]
- 6- Don't make a noise; the child.....now. [sleep]
- 7- It.....in July. It.....now. [rain]
- 8-Our publisher generally Hindi but today he English. [speak]
- 9-My wife and I.....to the cinema every Saturday. [go]
- 10-His mother Some food in the kitchen at present. [cook]
- 11-Itwhen wethe station. [rain, reach]
- 12- My wifetea while I..... a book. [prepare, write]
- 13- When wethe dinner. [arrive, have]
- 14- I.....his letter a week ago. [receive]
- 15-Heschool lastyear. [leave]
- 16- Weeach other for the past five years. [know]
- 17- He.....neveralcoholic liquor. [drink]
- 18- Our publisher.....a new car. [purchase]
- 19-I..... the Golghar. [see]
- 20-I..... my dinner. [have]

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
ENGLISH WORKSHEET – 4

Q 1. Pick out the adjectives and state their kind.

- 1- The coffee is not good.
- 2- The cat caught a small bird.
- 3- The cow has a long tail.
- 4- Everyone makes several mistakes in his life.
- 5- He likes this pen.
- 6- I like such a book.
- 7- Which is your pen?
- 8- A little boy was playing with his friends.
- 9- The spider has eight legs.
- 10- Which student broke this chair?

Q2. Pick out the adjectives and name the degree of comparison.

- 1- Prabha is the most honest girl in the class.
- 2- No news is good news.
- 3- He congratulated me on my grand success.
- 4- This is the elder of the two sisters.
- 5- Lead is heavier than any other metal.
- 6- Love is greater than any other thing in the world.
- 7- 7- A dead lion is not so good as a live ass.
- 8- It was the happiest time of my life.
- 9- Very few buildings in the world are so beautiful as the the Taj Mahal.
- 10- This is the unique thing.

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
ENGLISH WORKSHEET – 5

Q I. Pick out adverbs and state their kind.

- 1- An idle man is never happy.
- 2- Veena has lately returned from Mumbai.
- 3- She sings beautifully.
- 4- He always tries to do his best.
- 5- He often comes here.
- 6- The girl works hard.
- 7- These bananas are almost ripe.
- 8- He certainly went.
- 9- Lata sings delightfully.
- 10- The weather is delightfully cool.

Q II- Rearrange the words in the sentences below to make meaningful sentences with adverbs in the correct order.

- 1- I saw/working/the laboratory/patiently/her/in
- 2- Sundays/me/used to/they/initially/visit/often/on.
- 3- and /the cat/ on the ground/happily/sat/swishing her tail.
- 4- spoke /sat/and/the trial/silently/just once/the accused/throughout.
- 5- He/to meet/glad/very/is/you.

Q III- Fill in the blanks with suitable Adverbs given in the brackets.

- 1- She works.....(hard,hardly)
- 2- My brother.....does any work.(hard,hardly)
- 3- He writes.....(clear,clearly)
- 4- I have not seen her.....(late, lately)
- 5- Stand.....(near, nearly)

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS- VII
ENGLISH WORKSHEET - 6

Q 1 . You are Suchi Sharma, the President of the Art and Culture Society of your school. Your school is organizing a Group Dance Competition on the occasion of the Children's Day. Write a notice for the school notice board in not more than 50 words, informing the students and urging them to participate in the same, giving all the necessary details.

Q 2. Your mother went to the market and while coming back, two robbers on a bike snatched her chain. In the tussle, she had with the robbers, she also hurt herself. Write a diary entry in about 70-80 words, expressing your feelings about the incident

Q 3. You have been appointed the Head Boy/ Head Girl of your school. Write a letter to your friend, telling him/her of the same in about 80-90 words.

SANT NIRANKARI PUBLIC SCHOOL

AVTAR ENCLAVE

CLASS VII

ENGLISH WORKSHEET - 7

1. You are the Head Girl/Head Boy of your school. You plan to organize an inter class debate competition for the students of classes VI to VIII. Write a notice in about 50 words inviting the interested students to participate in the debate. Invent all the necessary details like date, time, venue and topic for the debate.

2. You recently saw the pictures of poachers killing animals in a wildlife sanctuary. Write a diary entry describing your feelings in about 70-80 words.

3. Your cousin is a brilliant student but he is not keeping good health because he avoids home-made food and is very fond of eating outside. Write a letter telling him about the harmful effects of junk food and advising him to maintain good health in about 80-90 words. You are Arpit/Arpita of Lawrence Road, Delhi.

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
SUBJECT- G.K.
WORKSHEET-1

DATE- 2/4/2020

NAME- _____







SEC- _____

DATE _____

WORKSHEET 13

EXTREME SPORTS

Identify the sports and match the pictures to their correct names.

	<input type="radio"/>	Rafting
	<input type="radio"/>	Scuba diving
	<input type="radio"/>	Hot air balloon
	<input type="radio"/>	Skydiving
	<input type="radio"/>	Paragliding
	<input type="radio"/>	Bungee Jumping

HOLIDAY HOMEWORK-7
86

Scanned with CamScanner

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AVTAR ENCLAVE
CLASS VII
SUBJECT -G.K.
WORKSHEET-2

DATE- 4/4/2020

NAME- _____

SEC- _____

W O R K S H E E T 1 1

FREEDOM MOVEMENT

Look at the pictures, read the clues and write their names.

1. He was a sepoy who rose against the British rule during the Great revolt of 1857.



2. He is rightly considered to be the most influential revolutionary during the Independence movement for India.



3. "Tum mujhe Khoon do main tumhe azadi dunga" These are ever famous words said by.



4. He started the out India Movement in 1942.



5. Indian National congress was founded 1885 by.



6. He shot himself before the British council arrest him.



SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
SUBJECT- G.K.
WORKSHEET-3

DATE- 6/4/2020

NAME- _____

SEC- _____

DATE: _____

WORKSHEET 04

DANCE FORMS

Match the name of the dance forms with their pictures.



◇ Kathak ◇



◇ Bharatnatyam ◇



◇ Manipuri ◇



◇ Kathakali ◇



◇ Odissi ◇



◇ Garba ◇

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
SUBJECT-G.K.
WORKSHEET-4

DATE- 8/4/2020

NAME- _____

SEC- _____

DATE _____

WORKSHEET 03

RESEARCH CENTRES OF INDIA

Match the following to the places where following research centres are located.



National Sugar Research Institute



All India Institute of Medical Science



National Institute of Oceanography

a. Karnal (Haryana)

b. Dehradun

c. Kolkata

d. New Delhi

e. Kanpur

f. Panaji



Indian Institute of Petroleum



National Dairy Research Institute



Indian Institute of Chemical Biology

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
SUBJECT- G.K.
WORKSHEET-5

DATE- 10/4/2020

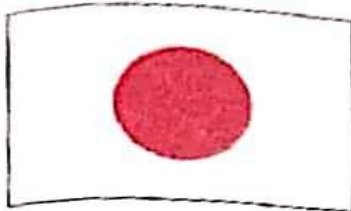
NAME- _____

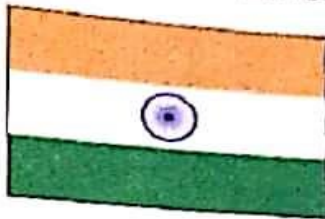
SEC- _____

WORKSHEET 14
FLAGS OF DIFFERENT COUNTRIES

Identify the flags and write the name of the countries they belong to, using help box.

Help Box: India, United Kingdom, China, Malaysia, Pakistan, Russia, North, Korea, Japan, Sri Lanka



















SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
SUBJECT-G.K.
WORKSHEET-6

DATE- 12/4/2020

NAME- _____

SEC- _____


WORKSHEET 07


EXPLORERS AND TRAVELLERS

Fill in the blanks using help box

Vasco da Gama, Henry, Hudson, Christopher, Marco Polo, Abel Tasman


He was one of the first European to visit China and other for eastern territories.






He traveled round the Cape of Good Hope and up the East coast of Africa and later discovered a trade route to India.


He stepped out in search of India but he found another country. This country name was America.





He is also credited to discover the area around modern New York City while exploring the route of Asia via West.

This Genoese Colonizer discovered North, Central and South America and the islands of West Indies.



SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
SUBJECT- G.K.
WORKSHEET-7

DATE- 14/4/2020

NAME- _____

SEC- _____

DATE: _____

WORKSHEET 09

UNITED NATIONS INTERNATIONAL DAYS

Match following days to its dates.

- | | | |
|-----------------|-----------------------|--|
| 1. March 22 | <input type="radio"/> | <input type="radio"/> a. World Telecommunication Day |
| 2. April 7 | <input type="radio"/> | <input type="radio"/> b. Press Freedom Day; |
| 3. May 3 | <input type="radio"/> | <input type="radio"/> c. World Day for water |
| 4. May 17 | <input type="radio"/> | <input type="radio"/> d. World Health Day |
| 5. June 5 | <input type="radio"/> | <input type="radio"/> e. World AIDS Day |
| 6. May 31 | <input type="radio"/> | <input type="radio"/> f. World Ozone Day |
| 7. June 14 | <input type="radio"/> | <input type="radio"/> g. World Environment Day |
| 8. September 16 | <input type="radio"/> | <input type="radio"/> h. World Food Day |
| 9. September 21 | <input type="radio"/> | <input type="radio"/> i. World Blood Donor Day |
| 0. September 8 | <input type="radio"/> | <input type="radio"/> j. Alzheimer's Day |



SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
MATHS WORKSHEET- 1

NAME: _____

Choose correct option in questions 1 to 5.

1. $\frac{9}{7} \times 6 =$ _____

a) $\frac{54}{7}$

c) $\frac{51}{7}$

b) $\frac{15}{7}$

d) $\frac{57}{7}$

2. $\frac{1}{2}$ of 10 = _____

a) 20

c) 8

b) 5

d) 12

3. $\frac{1}{2} \times \frac{1}{5} =$ _____

a) $\frac{1}{7}$

c) $\frac{1}{10}$

b) $\frac{5}{2}$

d) $\frac{2}{5}$

4. $7 \div \frac{2}{5} =$

a) 35

c) $\frac{2}{35}$

b) $\frac{37}{5}$

d) $\frac{35}{2}$

5. $0.01 \times 0.01 =$ _____

a) 0.0001

c) 0.1

b) 0.001

d) 1

6. Reciprocal of $\frac{2}{5}$ is _____.

7. In a class of 40 students $\frac{1}{5}$ of the total number of students like to study English, $\frac{2}{5}$ of the total number like to study mathematics and the remaining students like to study Science. How many students like to study English?

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
MATHS WORKSHEET- 2

NAME: _____

Choose correct option in questions 1 to 4: Rough work

1. Write the equation for 'The sum of three times x and 11 is 32'.
(a) $3x + 11 = 32$
(b) $x + 11 = 32$
(c) $3x = 32$
(d) $x + 11 = 3$
2. Raman's father's age is 5 years more than three times Raman's age. Raman's father is 44 years old. Set up an equation to find Raman's age.
(a) $x + 3 = 44$
(b) $3x + 5 = 44$
(c) $x + 5 = 44$
(d) $3x - 5 = 44$
3. What is n in $3n + 7 = 25$? (a)
7 (b) 5
(c) 6 (d) 8
4. What is l in $3l = 42$?
(a) 2 (b) 14
(c) 18 (d) 12
5. In the Equation $4x + 5 = 65$, the value of x is _____.
6. If we add the same number to both sides of a balance equation, the balance is _____.
7. Solve the following equations:
(a) $10p = 100$

(b) $10p + 10 = 100$

8. Solve the following equations:

a. $4(m+3)=18$

b. $-2(x+3)=5$

9. The sum of three times a number and 11 is 32. Find the number.

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
MATHS WORKSHEET- 3

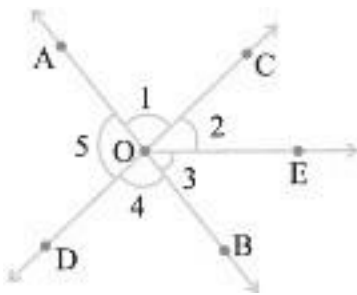
NAME: _____

Choose correct option in questions 1 to 4.

1. How many points a line segment have?

- a. 2
- b. 1
- c. 3
- d. 0

2. In the following figure which angle is adjacent to $\angle 1$?

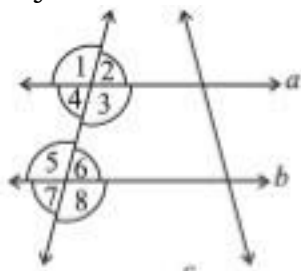


- a. $\angle 3$
- b. $\angle 2$
- c. $\angle 5$
- d. both b and c

3. If a line is a transversal to three lines, how many points of intersections are there?

- a. 1
- b. 2
- c. 3
- d. 4

4. State the property that is used below: If $a \parallel b$, then $\angle 1 = \angle 5$.



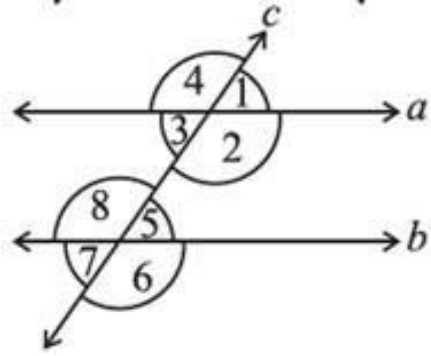
- a. alternate interior angle
- b. pair of interior angle
- c. vertically opposite angles
- d. corresponding angles

5. When the sum of the measures of two angles is 90° , the angles are called _____.

6. When two lines intersect, the vertically opposite angles so formed are _____.

7. Two lines l and m intersect if they have a point in _____.

8. In the following figure, identify the pairs of corresponding angles.



7. Two hundred students of 6th and 7th class were asked to name their favorite color so as to decide upon what should be the color of their School Building. The results are shown in the following table. Represent the given data on a bar graph.

Favorite Color	Red	Green	Blue	Yellow	Orange
Number of Students	43	19	55	49	34

SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
MATHS WORKSHEET- 5

NAME: _____

Choose correct option in questions 1 to 4.

1. Rewrite $\frac{-44}{72}$ in the simplest form.
a. $\frac{-11}{8}$ b. $\frac{-18}{11}$ c. $\frac{-11}{19}$ d. $\frac{-11}{20}$
2. The sum of two rational numbers is -8 , one number is $\frac{3}{4}$, find the other.
a. $\frac{-4}{35}$ b. $\frac{-35}{4}$ c. $\frac{35}{4}$ d. $\frac{4}{35}$
3. Which of the rational number is positive?
a. $\frac{9}{15}$ b. $\frac{-2}{3}$ c. $\frac{3}{7}$ d. $\frac{-4}{13}$
4. Write the rational number whose numerator is $4 \times (-7)$ & denominator is $(3-7) \times (15-11)$.
a. $\frac{16}{28}$ b. $\frac{8}{13}$ c. $\frac{13}{8}$ d. $\frac{28}{16}$

Fill in the blanks with the correct symbol out of $>$, $<$ and $=$.

5. $\frac{-1}{3}$ _____ $\frac{-1}{4}$
6. 0 _____ $\frac{-7}{6}$
7. $\frac{5}{11}$ _____ $\frac{-5}{11}$
8. Do $\frac{4}{-9}$ and $\frac{-16}{36}$ represent the same rational numbers?

9. Write the following rational numbers in ascending order: $\frac{-3}{7}$, $\frac{-3}{2}$, $\frac{-3}{4}$

10. From his home, Rahul walks $\frac{6}{7}$ km towards school and then returns $\frac{5}{6}$ km on the same way towards his home to reach a landmark. Where will he be now from his home?

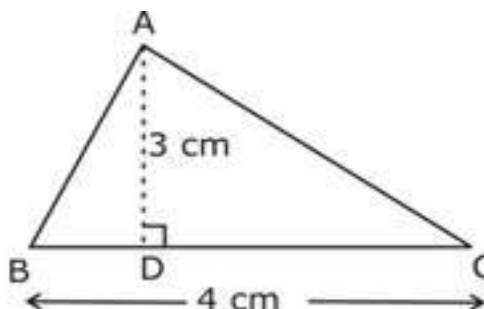
SANT NIRANKARI PUBLIC SCHOOL
AVTAR ENCLAVE
CLASS VII
MATHS WORKSHEET- 6

NAME: _____

Choose correct option in questions 1 to 4.

1. Find the area of following triangle:

- a. 6cm^2
- b. 5cm^2
- c. 4cm^2
- d. 3cm^2



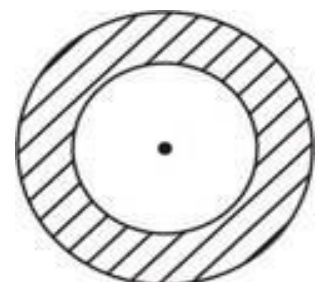
2. A door frame of dimensions $4\text{ m} \times 5\text{ m}$ is fixed on the wall of dimension $11\text{ m} \times 11\text{ m}$. Find the total labour charges for painting the wall if the labour charges for painting 1m^2 of the wall is Rs2.50.
- a. Rs. 200
 - b. Rs. 252.50
 - c. Rs.300
 - d. Rs.350
3. What is the circumference of a circle of diameter 10cm ?
- a. 30cm
 - b. 35cm
 - c. 31.4cm
 - d. none of these
4. Find the breadth of a rectangular plot of land, if its area is 440m^2 and the length is 22m .
- a. 5m
 - b. 10m
 - c. 15
 - d. 20m
5. If we cut a square along one of its diagonals, two triangles are obtained. Area of each triangle obtained = _____.
6. Length of rectangle $\frac{\text{?}}{\text{Breadth of rectangle}}$

7. A rectangular garden is 66 cm long and 50 cm wide. Two cross paths each 2 m wide are to be constructed parallel to the sides. If these paths pass through the center of the garden, find the cost of constructing the paths at the rate Rs. 69 perm².

8. The figure given, shows two circles with the same center. The radius of the larger circle is 10 cm and the radius of the smaller circle is 4cm.

Find:

- the area of the largercircle,
- the area of the smallercircle,
- the shaded area between the twocircles(Take $\pi = 3.14$)



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AVTAR ENCLAVE
CLASS VII
MATHS WORKSHEET-7

NAME: _____

Choose correct option in questions 1 to 4.

1. Multiply $2a$ and $3a$.

a. $6a^2$

b. $5a^2$

c. a^2

d. $12a^2$

2. Get the algebraic expressions for subtraction of z from y .

a. $y + z$

b. $y - z$

c. $y \times z$

d. $\frac{y}{z}$

3. Find the value of $x+4$ for $x=2$.

a. 2

b. 4

c. 6

d. 8

4. Find the product of $(2x + 3y)(2x + 3y)$.

a. $5x^2 + 9y^2 + 12xy$

b. $4x^2 + 7y^2 + 12xy$

c. $4x^2 + 9y^2 + 13xy$

d. $4x^2 + 9y^2 + 12xy$

5. Find the product: $(\frac{2}{3}xyz)(\frac{3}{4}x^2y^2z^2)(\frac{4}{5}x^3y^3z^3)$.

6. Simplify these expressions and find their values, if $x= 3, a= -1, b= -2$

a. $3x-5a-x^2+9b$

b. $2b - 8x + 4x^2 + 4a$

7. Simplify combining like terms:

a. $3a - 2b - ab - (a - b + ab) + 3ab + b - a$

b. $5x^2y - 5x^2 + 3yx^2 - 3y^2 + x^2 - y^2 + 8xy^2 - 3y^2$

8. What should be taken away from $3x^2 - 4y^2 + 5xy + 20$ to obtain $-x^2 - y^2 + 6xy + 20$?

