



# Gurunanak & Chandraketu Pandya English Medium School

Shri Rajanikant Vyas & Chandraketu Pandya English Medium Higher Secondary School

(Pre-Primary, Primary, Secondary & Higher Secondary - Science and Commerce Stream)

Kumbhanath Society, Aavkar Hall Road, Maninagar, Ahmedabad-8. Ph. 25450086 • www.gncschool.com

STD:5

Chap 9,10,11

Maths

F.A.-3 Assignment

Marks:90

Q-1 Short type questions:

(50)

1) Write as decimals:  $\frac{1002}{1000}$

2) Write as decimals:  $\frac{273}{100}$

3) Write as decimals:  $\frac{153}{10}$

4) Write fraction or mixed number as decimal.  $\frac{3}{4}$

5) Write fraction or mixed number as decimal.  $\frac{4}{5}$

6) Write fraction or mixed number as decimal.  $\frac{7}{20}$

7) Write decimal as a fraction in simplest form: 1.2

8) Write decimal as a fraction in simplest form: 4.25

9) Write decimal as a fraction in simplest form: 3.4

10) Multiply:  $4.67 \times 3$

11)  $7.42 \times 5$

12)  $28.07 \times 6$

13) Divide:  $3.5 \div 0.5$

14) Divide:  $3.2 \div 0.8$

15) Divide:  $32.4 \div 0.06$

16) Round off each decimal to the nearest whole number: 9.7

17) Round off each decimal to the nearest whole number: 12.78

18) Round off each decimal to the nearest whole number: 999.99

19) Round off each decimal to the nearest tenths: 9.48

20) Round off each decimal to the nearest

tenths: 4.85

21) Round off each decimal to the nearest tenths: 12.53

22) Express in metres and centimeters: 382.14m

23) Express in metres and centimeters: 0.03m

24) Using decimal notation, express in Km: 540 Km 7 hm 3 dam 6m.

25) Using decimal notation, express in Km: 857 Km 2 m.

Q-2 Long type questions:

(40)

1) If 1 litre of petrol costs Rs. 65.34, find the cost of 25 litres.

2) A small car has a petrol tank whose capacity is 30 litres. Its capacity in millilitres.

3) Manish's weight is 83 Kg 450 g and Ashish is 6 Kg 900 g heavier than him. Find Ashish's weight in Kg.

4) Find the weight in grams of the contents of the breakfast cereal package if the gross weight is in 1 Kg 200 g the packaging weighs 15 g.

5) Aryan bought  $\frac{4}{5}$  L of milk. On his way back home, he spilled  $\frac{3}{4}$  of it. How many milliliters of milk did he spill?

6) Anshu had  $\frac{4}{5}$  Kg of wafers. He packed all the wafers equally into 5 small packets. How many grams of wafers were there in each packet? For Rachna's birthday 3250 g cake was ordered. The weight of the cake in kilograms is.

7) Find the value of:  $3.0468 + 4.6251 + 9.6024$  correct to 3 decimal places.

8)  $5.798 \times 0.8$  correct to 3 decimal places.

9) A roll of fabric has 85.63 metres on it. If 43.76 metres are sold, how much is left?

10) Sonu runs 153.35 m in 50 seconds and John runs 92.87 m in the same time. How much farther does sonu run than John?

11) A tailor needs 52.18 cm of white lace for Richa's skirt and 75.85 cm of the same lace for the top. How much lace does he need in all?

12) 15 bags of wheat were delivered at a grocery shop, the total weight being 144 Kg 780g. If all the bags contain equal amount of wheat, Find the weight of each bag?

13) If a circle is divided into 12 equal parts, What will be the measure of the angle of each part?

14) Name the number of right angles the hour hand on the clock face turns through in the

direction from; 7:30

1) 12 to 3

2) 12 to 12

3) 3 to 3

4) 3 to 6

5) 8 to 11

15) How many degrees are there in each of 1) a right angle

2) a straight angle

16) Use protractor to draw angles: 1) 150

2) 56

3) 90

4) 165



**F.A. 4 Std 5**

**Chap: 13, 14, 16, 17, 15**

*Maths*

**Q-1 Short type questions (50)**

Inbox x

1. How many seconds are there in 6 minutes
2. How many seconds are there in 7 minutes 16 seconds
3. How many minutes are there in 8 hours
4. How many minutes are there in 9 hours 12 minutes
5. How many minutes are there in 480 seconds
6. How many hours are there in 180 minute
7. What time would it be 3 hours 42 minutes after 8:25 a.m.
8. What time would it be 8 hours 25 minutes after 4:12 P.M
9. What time would it be 2 hours 35 minute before 1:15 P.M
10. Express the following temperature in Fahrenheit 30 degree Celsius
11. Express the following temperature in fahrenheit scale 10 degree Celsius
12. express the following temperature in Celsius scale 212 Fahrenheit
13. Express the following temperature in Celsius scale 284 Fahrenheit
14. Write 25% as a decimal
15. Write 5 % as a decimal
16. Write 10% as a fraction in simplest
17. Write 12.5% as a fraction in its simplest form
18. Write  $\frac{3}{4}$  as a percentage
19.  $\frac{7}{10}$  as a percentage
20. Find the parameter of square with the length of 4.7 metre
21. Find the perimeter of a square with side of length 14 centimetre
22. Find the length of a side of a square whose perimeter is 12 centimetre
23. Find the length of a side of a square whose perimeter is 10.4 centimetre
24. Find the area of a square whose one side is 2.5 centimetre
25. Find the area of a square whose one side is 13.4 kilometre
26. Find the volume of cubes having 4 centimetre edges
27. Find the volume of the cube having 4 centimetre edges
28. Find the volume of cuboid if length is 4 centimetre breath is 2 centimetres and height is 3 centimetre
29. Find the volume of cuboid whose length is 10 centimetre breath is 2.6 centimetre and height is 2 centimetres

**Q-2 Long type questions:**

**(40)**

1. Satish Pan to the beach on Sunday he spent 1 hour 43 minutes fishing and 1 hour 20 minutes swimming how much time did he spend in both the activities
2. In a cricket match the captain of the team played for 4 hours 28 minutes 13 seconds in the first innings and for 3 hours 49 minutes 35 seconds in the second innings find out how much more time we played in the first innings
3. P Tu spends 1 hour 20 minutes 15 seconds to decorate a photo frame using quilling she spent another 55 minutes to decorate a small frame how much time did Ritesh pand on decorating the photo frames
4. A child is asked to complete 2 assignments in 4 weeks he completed the first assignment in 2 weeks 3 days how much time is left for him to complete the second assignment
5. Sony spend 8 weeks 3 days for holidays in Nainital Mussoorie and Dehradun she stayed in Nainital for 1week 4 days and in Dehradun for 3 weeks 5 days. How many days did she spend in Mussoorie
6. If 24 ball pens cost Rupees 56 find the cost of 18 such pens
7. If a man on rupees 3900 in 6 weeks how much does he on in 10 weeks
8. If 3 litres of petrol cost rupees 135. 45 what is the cost of 10 litres of petrol
9. If 5 shaving blades cost rupees 6.25 find the cost of 12 blades

10. If one doesn't Orange cost rupees 24. 60 what would be the cost of 5 oranges
11. 40 percentage of the total children in school come on foot there are 600 students in the school how many students come on food to the school
12. In a class 90 percentage of the boys passed the examination how many percentage failed ?there are 60 boys in the class how many have passed
13. A shopkeeper bought a refrigerator for rupees 12000 and sold it for 13510 find his profit or loss
14. Rachana water saree for rupees 1150 and sold it to her friend for rupees 1075 her profit or loss
15. Dealer bought 20 TV sets for rupees 3150 rupees 360 as the Cartage for all and sold this at rupees 3500 is find his total total profit or loss
16. A fruit vendor bought 10 kg of mangoes for rupees 350 He sold them at rupees 42 per kg how much profit did he make for 1 kg of mangoes
17. A bicycle is sold for rupees 2140 by making a profit of rupees 153 find the cost price of the cycle
18. What is the area of the front of a watch that is 25 millimetre wide and 23 millimetre high?
19. Compare the area of a square 15 centimetre on each side and a rectangle 11 centimetre by 8 centimetre which figure has the greater area and by how much
16. m if a container is 40 centimetres length 30 centimetre and 20 centimetre height find the volume of the milk container
17. Find the average of 6, 8, 10, 12, 14, 16
18. Find the average of first 5 odd numbers.
19. Find the average of five multiples of 3.
20. During a week, a barber gave 40 haircuts on Sunday, 26 on Monday, none on Tuesday, 35 on Wednesday, 25 on Thursday, 31 on Friday and 32 on Saturday. Find the average number of haircuts he gave during the week.
21. Find the average of the following cricket players

	Innings	Runs	NO. of times not out
Don Bradman	7	974	0
S.M Gavaskar	214	10122	16



## EXERCISE 19A

1. Draw a pictograph to show the number of stories you read from your favourite story book e in a week.

Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Satur
Number of stories you read	4	1	2	3	1	2	5

Take  = 1 story.

2. Draw a pictograph to show the number of students who attended a dog show in school fro class of the Junior school.

Class	Class 1	Class 2	Class 3	Class 4	Class 5
Number of Students	15	20	10	30	5

Take ☺ = 5 students

3. Draw a bar chart to represent the number of students who visited the school library in a we a graph paper to draw the graph

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Satur
Number of Students	27	32	45	54	60	15

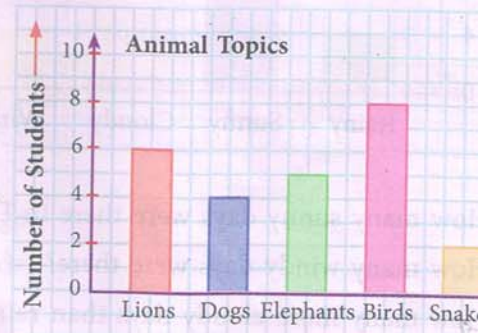
4. A survey was done on 25 people on their choice of drinks and the individual response was a below:

Coffee, Tea, Tea, Tea, Milk, Hot chocolate, Coffee, Tea, Milk, Tea, Others, Tea, Coffee, Tea, Milk Chocolate, Coffee, Tea, Milk, Milk, Tea, Coffee, Tea, Coffee, Others.

Tabulate the given data and draw a bar chart to show the given information.

5. The students of class 5 were given their choice of animals to research for a project in scienc results of their choices were displayed with the help of a bar graph. Look at the given bar and answer the questions that follow:

- Which is the most popular topic?
- Which is the least popular topic?
- The number of students who chose dogs and snakes is equal to the number of students who chose what other topic?
- What is the total number of students in the class?
- Express the number of students who chose snakes as a fraction of the strength of the whole class.





## EXERCISE 19B

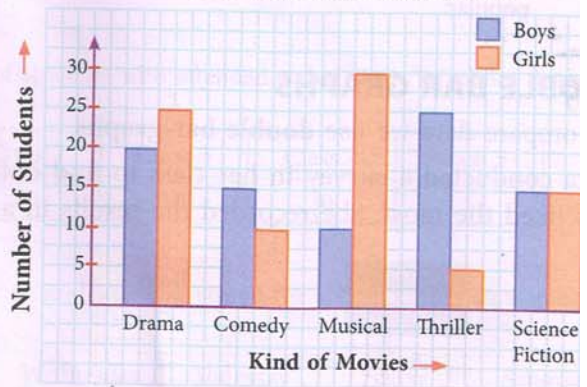
1. Draw a double bar graph to compare the favourite ice-cream flavours of boys and girls class whose data is as given below:

Flavours	Vanilla	Chocolate	Strawberry	Butterscotch
Boys	9	6	4	8
Girls	5	10	12	7

2. The following graph shows the favourite kind of movies of boys and girls of class 5 in a school. Look at the graph and answer the questions given below:

- Which kind of movies do boys prefer the most?
- Which kind of movies do girls prefer the most?
- Which kind of movies are liked by both equally?
- How many more girls watch musical movies than boys?
- Which kind of movies do boys prefer more than girls do?
- List the kinds of movies for girls in order of their preference from least to most.

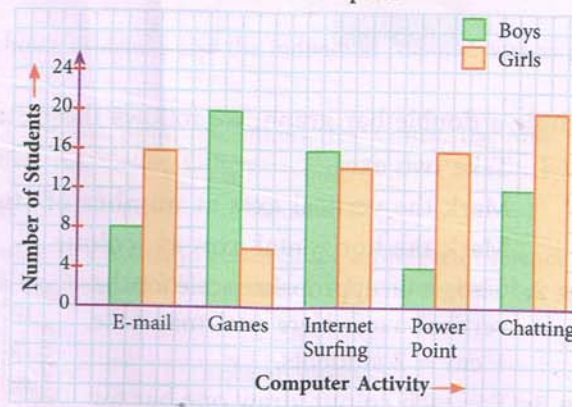
Favourite Movies of Students of Class 5



3. Use the graph given below to answer the given questions.

- For which activity is the computer used the most by the boys?
- Which is the most liked activity of the girls?
- Which activity has the least difference in terms of numbers between boys and girls?
- Which activity has the most difference in terms of numbers between boys and girls?
- List the computer activities in order of liking for (i) boys (ii) girls.

Use of Computer



## Quick Review

- A rectangle has 15 cm as its length and 150 cm<sup>2</sup> as its area. Its area is increased to  $1\frac{1}{3}$  times original area by increasing its length. Its new perimeter is:
  - 50 cm
  - 60 cm
  - 70 cm
  - 80 cm
- A clock is started at noon by 10 minutes past 5, the hour hand turned through
  - 145°
  - 150°
  - 155°
  - 160°



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STD:5 Chap : 8,9 F.A.-3 Assignment SUB: Science Total marks:90

**Q. 1. Fill in the blanks.**

1. The brain is protected in the \_\_\_\_\_ (12)
2. The \_\_\_\_\_ of the brain regulate the Heartbeat and breathing.
3. The vertebral column is made up of \_\_\_\_\_
4. The \_\_\_\_\_ of the brain controls movement and maintains the balance of the body.
5. The space between the brain and the skull bones is filled with a \_\_\_\_\_
6. \_\_\_\_\_ is done when force causes an object to move.
7. A lever can be moved about a fixed point called the \_\_\_\_\_
8. In a first class Lever the \_\_\_\_\_ is in between the load and effort.
9. A \_\_\_\_\_ is an example of a second class Lever.
10. A \_\_\_\_\_ is a simple machine used to hoist a flag.
11. A second class Lever has the \_\_\_\_\_ in between.
12. A pair of tongs is a \_\_\_\_\_ class lever.

**Q-2 Tick the true statements and cross the false ones.**

1. When you try to push a wall you do work even if it does not move. (5)
2. A second class Lever has the load between the fulcrum and effort.
3. It is easier to climb a steep slope rather than a gradual one.
4. A washing machine is a simple machine.
5. The wheel and axle form a complex machine.

**Q-3 match the following.**

- | A                      | B   |
|------------------------|---|
| 1. Brain.              | 1. Links the brain to the other parts of the body   |
| 2. Spinal cord         | 2. Carry messages from the sense organ to the brain |
| 3. Sensory nervous.    | 3. Beating of the heart                             |
| 4. Involuntary action. | 4. Soft and delicate like jelly                     |

**Q-4 write Key words:**

1. Brain. 2. Reflex action. 3. Machine 4. Wedge. 5. Lever (10)

**Q-5 give an example for the following.**

1. Inclined plane. 2. Lever. 3. Pulley 4. Wedge. 5. Wheel and axle (10)

**Q-6 Tick the correct option to complete each sentence.**

- 1) The nervous system is made up of the ..... (11)  
a) brain, spinal cord and nerves  
b) brain, heart and liver  
c) nerves, arteries and veins  
d) eardrum, taste buds and nerves
- 2) The spinal cord is protected inside the .....  
a) brain b) rib cage c) vertebral column d) skull
- 3) Motor nerves carry messages from the...  
a) sense organs to the brain or spinal cord  
b) brain or spinal cord to the parts of the body  
c) eyes to the spinal cord  
d) brain to the heart
- 4) An automatic, quick response to a stimulus is called...  
a) a rapid action b) a reflex action c) a reaction d) an automatic action
- 5) The lowermost part of the brain is the....  
a) medulla b) cerebrum c) cerebellum d) vertebral column
- 6) A simple machine that consists of a fulcrum is...  
a) a lever b) an inclined plane c) a wedge d) a pulley
- 7) A Machine made of two or more simple machines is called a...  
a) Wheel and axle b) wedge c) pulley d) complex machine
- 8) An axe is a... a) wedge b) pulley c) wheel and axle d) lever



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STD:5 F.A.-4 Assignment Chap:10,11

SUB:Science

Q-1 Match the following:( 5)

A

- 1.the sun
- 2.the moon
- 3.transparent objects
- 4.total solar eclipse
- 5.solar eclipse

B

- a.do not form shadows
- b.the sun gets completely blocked by the moon
- c.burns all the time
- d.occurs on a new moon day
- e.does not have its own light

Q-5 Tick the correct option : (11)

- 1.A dark shadow is formed when the object is...  
A.transparent. B.translucent. c.opaque.
- 2.A toy car that allows some light to pass through it is made up of...  
A.transparent material. B.translucent material. C.opaque material
- 3.A solar eclipse occurs when the...  
A.Earth is between the sun and the moon.  
B.moon is between the Earth and the sun.  
C.sun becomes black
- 4.A lunar eclipse occurs when the..  
A.Earth is between the sun and the moon.  
B.Moon is between the Earth and moon.  
C. Moon is bright.
- 5.Light always travels in a...  
A.straight line B.wavy line. C.curved line.
- 6.A lunar eclipse always occurs on a..  
A.new moon day. B.full moon day. C.crescent moon day
- 7.Magma is made up of..  
A.liquid water. B.molten rocks. C.fluids. d.gas.
- 8.A powerful earthquake that occurs below the sea can give rise to a..  
A.storm. b.cyclone. c.tsunami. d.flood
- 9.The intensity of an earthquake is measured using..  
A.Richter scale. B.celsius scale. C.barometer. d.thermometer
- 10.Cyclones cause..  
A.hot weather. B.heavy rains and strong winds. C.earthquake. d.tsunami
- 11.Tsunami is a Japanese word meaning...  
A.flood wave b.cyclone wave. C.killer wave. D.habour wave.

Q- Answer the following: (25)

- 2.What is a transparent object? Give an example.
- 3.When is a shadow formed?
- 4.Explain solar eclipse with a diagram.
- 5.Describe a lunar eclipse.
- 6.What happens when tectonics plates collide with force?
- 7.How is the intensity of an earthquake measured?
- 8.What causes a tsunami?
- 9.What is a cyclone?
- 10.What must one do when there is a tsunami warning?

Q- Key words: (18)

- 1.shadow. 2.opaque 3.translucent 4.transparent 5.lunar eclipse. 6.solar eclipse 7.earthquake 8.tsunami 9.cyclone

Q-3 Tick the true statements⊗ (10)

- 1.Earthquake occur only on land
- 2.A powerful earthquake in the sea can cause a tsunami.
- 3.The waves in a tsunami are harmless as long as they are in the sea.
- 4.Cyclone can form anywhere on the Earth.
- 5.Cyclones cause heavy rains.
6. Light can travel from one place to another.
- 7.An object which does not let light pass through it is.
- 8.Opaque objects form shadows.
- 9.A total solar eclipse lasts for seven hours.
- 10.A lunar eclipse can be viewed with the naked eye.

- 9) A simple machine consisting of a slanting flat slop that helps in the movement of heavy objects is...  
a) a lever      b) an inclined plane      c) a wedge      d) a screw
- 10) A simple machine that can be used to fix two pieces of wood together is..  
a) a screw      b) a wheel and axle      c) a pulley      d) an inclined plane
- 11) A nutcracker is...  
a) a pulley      b) an inclined plane      c) a wedge      d) a lever

(38)

**Q-7 Answer the following:**

- 1) What forms the human nervous system?
- 2) What protects the brain from jerks?
- 3) List two functions of the cerebrum.
- 4) Describe the three types of nerves.
- 5) When you look at an object, how does the information reach your brain?
- 6) What is a reflex action? Describe with an example.
- 7) How can you keep your eyes healthy?
- 8) What is a simple machine?
- 9) List any three types of simple machines.
- 10) Why is an inclined plane called a simple machine?
- 11) Describe a wedge. Give any two examples.
- 12) Draw and describe a wheel and axle.
- 13) Differentiate between a first class lever and a third class lever.



## Q-1 MCQs

- Environmental pollution is caused by
  - plants
  - animals
  - human activities
  - both plants & animals
- Respiratory diseases like asthma are caused by
  - water pollution
  - air pollution
  - noise pollution
  - land pollution
- unchecked use of loud speakers causes
  - noise pollution
  - water pollution
  - land pollution
  - air pollution
- Rain containing a high level of acid is called
  - sewage
  - ecofriendly rain
  - acid rain
  - floods
- Substances that spoil air, water or land are
  - chemicals
  - pesticides
  - smoke
  - pollutants
- Glass & certain chemicals are
  - biodegradable wastes
  - non-biodegradable wastes
  - organic waste
  - natural waste

## Q-2 Match the following

A

B

- |                               |                              |
|-------------------------------|------------------------------|
| 1. plastic                    | a. waterborne diseases       |
| 2. acid rain & global warming | b. effect of noise pollution |
| 3. cholera & typhoid          | c. non-biodegradable         |
| 4. loss of hearing            | d. eco-friendly fuel         |
| 5. CNG                        | e. effects of air pollution  |

## Q-3 True / False

- petrol & diesel burners pollute the air.
- waste produced by hospitals pollutes land.
- Factories should treat wastes before releasing them into waterbodies.
- Noise pollution can cause loss of vision.
- Trees help filter harmful gases from the air.

Q.4 Que Ans

1. What is pollution?
2. What causes air pollution?
3. List two causes of global warming
4. What causes acid rain?
5. What are the effects of water pollution
6. Give two causes of noise pollution
7. How can water pollution be controlled

Q. Keywords

environment, pollutants, air pollution, water pollution, noise pollution