REVISION ASSIGNMENT

ASSIGNMENT- 20

Knowing Our Numbers

- Q.1. How are the numbers 1000 and 500 represented in Roman numerals?
- Q.2. Arrange 7724, 7247, 2474, 7742 in ascending order.
- Q.3. Write the expression for "eighteen is added to the product of fifteen and seven".
- Q.4. Estimate to the nearest hundred 151×72 .
- Q.5. Write 50,998 in expanded form.
- Q.6. Write Hindu- Arabic number for LXXIX.
- Q.7. Write the number name for 88,88,808.
- Q.8. Using the given digits 9, 0, 4, 3, 6 without repetition and make the greatest and the smallest 5- digit numbers.
- Q.9. Arrange the numbers 93124, 94213, 98234, 94823, 93128 in descending order.
- Q.10. You have the following digits 4, 5, 6, 0, 7 and 8. Using them, make the greatest and the smallest numbers each with 6- digit.
- Q.11. A bus covers the distance of 160 km 575m every day. Find the total distance covered by it in 7 days.
- Q.12. Shekhar is a famous cricket player. He has so far scored 6,980 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?
- Q.13. A vessel has 4ℓ 500 ml of curd. In how many glasses, each of 25 ml capacity, can it be filled?

Whole Numbers

- Q.1. What is the successor and the predecessor of 599?
- Q.2. How many numbers are there between 92 and 103?
- Q.3. Calculate the product of $4 \times 233 \times 25$ using rearrangement.
- Q.4. Calculate $761 \times 999 + 761$ using property.
- Q.5. Which is the greater number among 803838 and 830838?
- Q.6. Solve by suitable rearrangement 1762 + 553 + 1338 + 547.
- Q.7. Write the natural number which has no predecessor.
- Q.8. Solve: $8 \times 62 \times 8 64 \times 60$
- Q.9. Find the vale of $54279 \times 92 + 8 \times 54279$ using property.
- Q.10. Multiply 25×96 using suitable property.
- Q.11. The total number of children in VI- A are 45 and in VI- B are 47. If each child pays Rs. 135 as donation amount, how much money is collected by both sections?
- Q.12. Rita pays Rs 1500 to her Piano teacher and Rs 750 to the donation club every month. Find the total amount paid by her in 1 year.

ASSIGNMENT-3

Playing with numbers

- Q.1. Explain how 28 is a perfect number?
- Q.2. Determine the prime factorization.
 - (*i*) 468 (*ii*) 7325
- Q.3. Find the smallest 4- digit number which is divisible by 18, 24 and 32
- Q.4. Find the greatest number of 6 digits exactly divisible by 24, 15 and 36.

- Q.5. Find first four common multiples of 3, 4 and 9.
- Q.6. The students in a class can be divided into groups of 2, 3, 5 and 6. What is the least number of children this can have.
- Q.7. Check the divisibility of 3340 by
 - (*i*) 2 (*ii*) 3 (*iii*) 6
- Q.8. Check the divisibility of 88169308 by 11.
- Q.9. The length, breadth and height of room are 625cm, 675cm and 500cm respectively, find the longest tape to measure the dimensions of the room exactly.
- Q.10. Find the greatest number such that if 245 and 1029 be divided by it, then remainder in each case is 5.

Basic Geometrical Ideas

- Q.1. Construct a segment AB = 1.8 cm long. Construct another segment PQ whose length is thrice as that of AB. Measure its length.
- Q.2. From the given figure, find out:
 - *(i)* all pairs of intersecting lines.
 - *(ii)* all points of intersection.



Q.3. In the concentric circles given below, find the radius and diameter of the bigger circle.



- Q.4. If AB = 2.4 cm and CD = 2.5 cm, construct a segment whose length is equal to 3AB 2CD.
- Q.5. How many diameters of a circle can be drawn? Where do they intersect? Is the point of intersection of diameter in the interior or exterior of the circle?
- Q.6. Name from drawn figure.
 - (*i*) name its diameter.
 - (*ii*) name its radius.
 - *(iii)* name its arc.
 - (*iv*) is the figure half of a circle?







- (*i*) Name all the triangles formed in the figure.
- (ii) Which two points lie on sides BC and AB respectively?
- (*iii*) Name any two line segments inside the triangle ABC
- Q.8. From the drawn circle, name the following :
 - (*i*) a chord.
 - *(ii)* a point in the interior and a point in the exterior.
 - (*iii*) A sector.
 - (*iv*) A segment.
 - (v) An arc.



<u>INTEGERS</u>

- Q.1. Write the integers which lie between -4 and 6.
- Q.2. Write four integers greater than -15.
- Q.3. On the number line, find the number which is 6 places right to (-3).
- Q.4. Add using a number line (-5) + 3.
- Q.5. Find the value of: (-50) + (-200) + 200.
- Q.6. Find the integer x such that -4 + x = 0.
- Q.7. Is the sum of two negative integers is positive or negative?
- Q.8. Write the number which is:
 - (i) 4 less than -3 (ii) 7 more than 3
- Q.9. Add (-52) and 60. Now, subtract (-8) from the result. What is the solution?
- Q.10. Give the successor and predecessor of 217.
- Q.11. What is the sign of the sum of two positive integers?
- Q.12. Find the value of

(-1) + (-2) + 23 - (42)

- Q.13. Replace * by >, > or =: (-10) - (-10) * (-10) + (-10)
- Q.14. Add the integers:
 - (-9) + 4 + (-6) + 3
- Q.15. Find the value of:
 - $(i) \qquad -(26) 48 + (-54) (-58)$
 - (ii) (-25) + (-50) (+65) (+30)

Understanding elementary shapes

- Q.1. Name the angle whose measure is more than 90° and less than 180° .
- Q.2. Which direction will you face if you start facing west and make $\frac{3}{4}$ of a revolution from left?
- Q.3. Is the given angle acute or reflex?



- Q.4. What is the diameter of the circle, if the radius is 3.6 cm.
- Q.5. Name the triangle in which:
 - (*i*) One angle is obtuse angle.
 - (*ii*) Two sides are equal.
- Q.6. When two lines are drawn having distance 5cm equally between them, then what do we call them? $B \xrightarrow{B}$
- Q.7. In the drawn rhombus, name the type of angles:
 - (*i*) $\angle A$ and $\angle C$
 - (*ii*) $\angle A$ and $\angle D$
- Q.8. Where will the hour hand of a clock stop, if it starts from 8 and turns:
 - (*i*) Two right angles
 - *(ii)* Three right angles
- Q.9. Find the faces, edges and corners of a:
 - (i) Cylinder
 - (ii) Prism



- Q.10. When two lines drawn from adjacent vertices cut each other in the interior part of a square at 90° then what do we call them?
- Q.11. Construct a segment RS = 2.8cm long, construct another segment PM whose length is twice as that of RS. Measure its length.
- Q.12. Write the names of -
 - (*i*) All angles formed with vertex O.
 - (*ii*) All pairs of adjacent angles with vertex O.



Q.13. In the given adjoining figure, list the points which:

- (*i*) are in the interior of $\angle RST$
- (*ii*) are in the exterior of $\angle RST$
- (*iii*) lie on $\angle RST$



ASSIGNMENT-7

Fractions

- Q.1. What fraction of numbers from 2 to 15 are prime numbers?
- Q.2. Form the fraction of 750g to a kilogram and reduce it to the lowest term.
- Q.3. Find fraction of 25 paise to Rs 2.
- Q.4. Convert $\frac{54}{5}$ into mixed fraction.

Q.5. Find whether the given set of fractions is like or unlike?

- $\frac{2}{12}$, $\frac{3}{14}$, $\frac{4}{12}$, $\frac{14}{12}$.
- Q.6. Put the following set of fractions in descending order:
 - $\frac{1}{2}$, $\frac{1}{21}$, $\frac{1}{5}$, $\frac{1}{32}$, $\frac{1}{50}$, $\frac{1}{9}$, $\frac{1}{15}$.
- Q.7. Solve the following:
 - (i) $\frac{1}{7} + \frac{2}{7}$ (ii) $\frac{13}{9} \frac{5}{9}$
- Q.8. Simplify: $8\frac{1}{4} 2\frac{5}{6}$
- Q.9. Find the value of:
 - (i) $\frac{5}{7} + \frac{1}{6}$ (ii) $\frac{5}{8} + \frac{1}{2}$
- Q.10. Reema ate $\frac{2}{3}$ of a bread. Her sister ate $\frac{1}{3}$ the part. How much did they eat altogether?
- Q.11. Represent $\frac{1}{4}$ on a number line.
- Q.12. Is $\frac{4}{7}$ equal to $\frac{16}{28}$? Solve and show.
- Q.13. Colour the fraction as indicated:



Data Handling

Q.1. The total number of animals in five zoos is as follows:

Zoo A	: 50
Zoo B	: 80
Zoo C	: 120
Zoo D	: 90
Zoo E	: 50

Prepare a pictograph to represent the above information (taking the scale

1 = 10 animals) and answer the following questions:

- (*i*) Which zoo has maximum animals and which has minimum.
- (*ii*) Which zoo has more animals B or C and by how much?
- (iii) Which two zoos have same number of animals?
- Q.2. The numbers of people using different modes of transport are shown below: Scale is $1^{\textcircled{0}} = 10$ people.



most

popular mode of transport?

(i)

- (*ii*) How many people like to go by bus?
- (*iii*) How many more people like to go by bus than cycle?
- (*iv*) Which two modes of transport are equally liked by people?

Q.3. The data for the various heights found in a class given below. The number of students for each group is given. Make a table and enter the data using tally marks:

4	5	2	2	5	4
3	4	5	5	3	2
4	2	2	2	2	3

Q.4. The number of magazines sold by shopkeeper on seven days is shown below. Draw a bar graph to represent the information choosing scale of your choice:

Days	<u>Sun</u>	<u>Mon</u>	<u>Tue</u>	Wed	<u>Thu</u>	<u>Fri</u>	<u>Sat</u>	
Number of	75	50	30) 5	0 4	15	20	65
magazines sold								

Q.5. In the bar graph shown below, the likings of different fruits by students:



- (*i*) Which fruit is liked by most students?
- (ii) How many students like orange?
- (iii) How many more students like banana than guava?
- (*iv*) How many more students like apple than orange?

<u>Decimals</u>

- Q.1. Represent 7.2 on a number line.
- Q.2. Write $900 + 90 + \frac{9}{10}$ in decimal form.
- Q.3. Convert 5.25 in the fractional form. Also reduce it to its lowest form.
- Q.4. Write seventy seven point two three in decimal form.
- Q.5. Convert $\frac{11}{1000}$ in the decimal form.
- Q.6. Which is greater, 7.35 or 7.05?
- Q.7. Write using decimals:
 - (*i*) 85cm

(ii) 575 paise

- Q.8. Convert :
 - (i) 14.35m into m and cm
 - (ii) 56.904kg into kg and g
- Q.9. Add: 92.5, 16.542 and 1.711.
- Q.10. Subtract: 19.05 from 25.56.
- Q.11. Reema had Rs. 7.25 with her. She spent Rs. 1.50. how much money is left with her?
- Q.12. Romi has to cover a distance of 20km 50m. She walked 1 km and went by bus for 15km and hired an auto for rest of the dstance. How much distance did she cover by auto?
- Q.13. Natu bought 500g potatoes, 250g capsicums, 700g onions, 500g tomatoes, 100g gingers and 300g radish. Find the total weight of the vegetables in terms of decimal.
- Q.14. Bulbul spent Rs. 190.25 on her books, Rs. 275 on grocery and Rs. 85.50 on clothes. Find the total money spent by her.

ASSIGNMENT- 10 PRACTICAL GEOMETRY

- Q.1. Given AB of length 5cm. Construct PQ such that the length of PQ is twice that $\overline{of AB}$.
- Q.2. With the same centre, draw two circles of radius 6cm and 5cm.
- Q.3. Draw any line segment CD. Take any point M not on it. through M, draw a perpendicular to CD. (Use rules and compasses)
- Q.4. Draw a line segment of length 10cm. Using compasses divide it into four equal parts.
- Q.5. Draw \overline{CD} of length 8cm and find its axis of symmetry.
- Q.6. Construct an angle of 90° and bisect it.
- Q.7. Draw an angle of 70° and construct an angle whose measure is twice of the given angle.
- Q.8. Draw a line segment of 5.6cm. From it cut 3.6cm. How much part of the line is remaining?

ASSIGNMENT- 11

<u>Mensuration</u>

- Q.1. The lid of a rectangular box of sides 40cm by 10cm is sealed all round with tape. What is the length of the tape required?
- Q.2. What is the length of the wooden strip required to frame a photograph of length and breadth 32cm and 21cm respectively?
- Q.3. A piece of string is 30cm long. What will be the length of each side if the string is used to farm.
 - (*i*) Square (*ii*) An equilateral triangle
- Q.4. Find the distance covered by Rahul if he takes four rounds of a rectangular park whose length is 25m and breadth is 10m.

- Q.5. A table top measures 12m 25cm by 9m 50cm. What is the perimeter of tabletop?
- Q.6. Kanchan runs around a square park of side 90m and Vinita runs around a rectanglular park whose length is 120m and breadth is 80m. Who covers the longer distance and by how much?
- Q.7. The length and breadth of three rectangles are given below.
 - (i) 9m and 6m (ii) 17m and 3m
 - (iii) 14m and 4m

Find which rectangle has greatest area and which has least.

- Q.8. A tile is a square of side 20cm, how many such tiles would be required to cover the floor of a square bathroom of side 3m?
- Q.9. The area of a square of side 16cm is the same as that of a rectangle of length 32cm. Find its breadth.
- Q.10. A room has rectangular floor of size 300m by 200m. A square carpet of side 180m is laid in the room. Find the area of floor which is not carpeted.
- Q.11. Find the area of the following figures by splitting into rectangles.



<u>Algebra</u>

- Q.1 Give expression for the following statements:
 - (i) added to xm,
 - (ii) x subtracted from 4
 - (iii) 2 subtracted from the sum of x and y
 - *(iv)* multiplied by –5
 - (v) Product of 2 and x divided by 3
 - (vi) n multiplied by 2 and 1 subtracted from the product
 - *(vii)* –5 divided by z
 - (viii) a increased by twice of b
 - *(ix)* Multiply x by y and then add 7 to it
 - (*x*) Subtract a from b and then multiply the difference by 7
 - (xi) 170 increased by the product of x and y
 - (xii) Three times the difference of 30 and a
 - (*xiii*) Multiplied by the sum of x and y by 3 and divide the product by z
 - (xiv) Add 3 and x and subtract from the product of y and z
 - (xv) Z multiplied by 7 and result subtracted from 85
- Q.2 Write the statement for the given expression:
 - (i) 3X + 5 (iii) 2Y + 2 (v) 5 3p
 - (*ii*) 6-4X (*iv*) $\frac{x}{2}+1$ (*vi*) -2m+5
- Q.3. If the cost of x metres of cloth is Rs y. Find the cost of 4 metres of cloth.
- Q.4. Aditi's marks in maths are 15 more than two- third of her Hindi marks. If she scores 'x' marks in Hindi, find her marks in maths.
- Q.5. If the cost of one shirt is Rs a and the cost of 1 trouser is Rs. b, then find the cost of 6 shirts and 7 trousers.

Q.6. Complete the table and find the solution of 2x + 10 = 30

x	5	10	15
2x + 10			

ASSIGNMENT- 13

Ratio And Proportion

- Q.1. Find the ratio of the following:
 - (i) 21 hours to 49 hours

(iii) A dozen to a score

- (ii) 75 cm to 3 metres
- Q.2. Find the ratio of 250g to 5kg.
- Q.3. Out of total 1450 students in a school, 1000 went for the picnic. Find the ratio of:
 - (*i*) Students who went to the picnic to total students.
 - (*ii*) Students who did not go to the picnic to those who went for the picnic.
- Q.4. Write the middle terms and the extreme terms, if the numbers form the proportion in 1 kg: 40 kg and 25g: 625 g.
- Q.5. A scooter needs 3 litres petrol to cover 90 km. How many litres of petrol is required to cover 120 km?
- Q.6. A car travels 90 km in $2\frac{1}{2}$ hours.
 - (i) How much time is required to cover 40 km with the same speed?
 - *(ii)* Find the distance covered in 3 hours with the same speed.
- Q.7. Check whether the following are in proportion or not:
 - (*i*) 2:9 and 18:81
 - (*ii*) Rs. 10 to Rs. 15 and 4 to 6.
- Q.8. A horse and cart together cost Rs 2880. Find the cost of each if their costs are in ratio 5:3.
- Q.9. Give two equivalent ratios of 6:4.
- Q.10. Lakshmi earns Rs 1, 44, 000 in 15 months.

(*i*) How much does she earn in 7 months

(ii) In how many months will she earn Rs 2, 40, 000

Q.11. Fill in the blanks:

