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?

ASSIGNMENT- 2

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.

ASSIGNMENT- 4

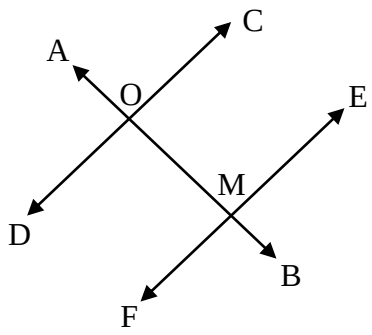
Basic Geometrical Ideas

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.

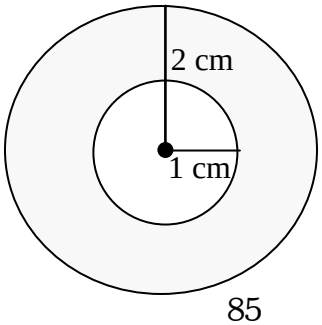
Q.2. From the given figure, find out:

(i) all pairs of intersecting lines.

(ii) all points of intersection.



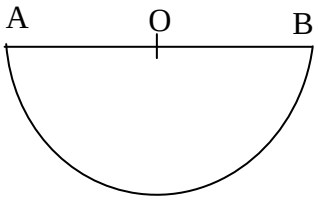
Q.3. In the concentric circles given below, find the radius and diameter of the bigger circle.



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.



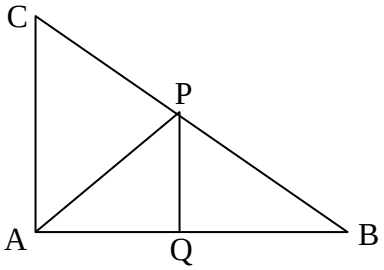
(i) name its diameter.

(ii) name its radius.

(iii) name its arc.

(iv) is the figure half of a circle?

Q.7.



(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 :

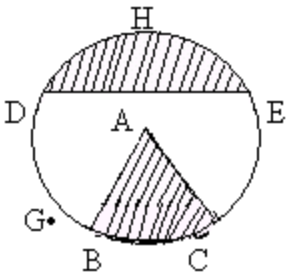
(i) a chord.

(ii) a point in the interior and a point in the exterior.

(iii) A sector.

(iv) A segment.

(v) An arc.



ASSIGNMENT- 5

INTEGERS

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) –(26) – 48 + (–54) – (–58)

(ii) – (–25)+ (–50) – (+65) –(+30)

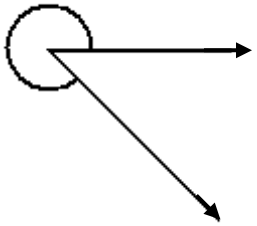
ASSIGNMENT- 6

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 ¾ 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.

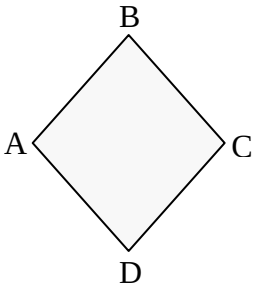
Q.5. Name the triangle in which:

(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?

Q.7. In the drawn rhombus, name the type of angles:



(i) ∠A and ∠C

(ii) ∠A and ∠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

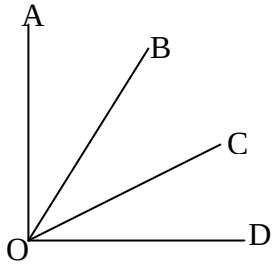
Q.10. When two lines drawn from adjacent vertices cut each other in the interior part of a square at 90° then what do we call them?

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.

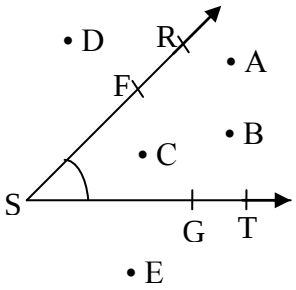


Q.13. In the given adjoining figure, list the points which:

(i) are in the interior of ∠RST

(ii) are in the exterior of ∠RST

(iii) lie on ∠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)* $\frac{13}{9} \quad \frac{5}{9}$

Q.8. Simplify: $8\frac{1}{4} - 2\frac{5}{6}$

Q.9. Find the value of:

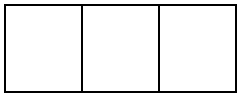
(i) $\frac{5}{7} + \frac{1}{6}$ *(ii)* $\frac{5}{8} \quad \frac{1}{2}$

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:



$\frac{1}{3}$

ASSIGNMENT- 8

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 ☺ = 10 people.

Car	☺☺☺☺☺☺
Scooter	☺☺☺☺
Cycle	☺☺☺
Bus	☺☺☺☺☺☺☺☺
Auto	☺☺☺

(i) Which is the most popular mode of transport?
(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?

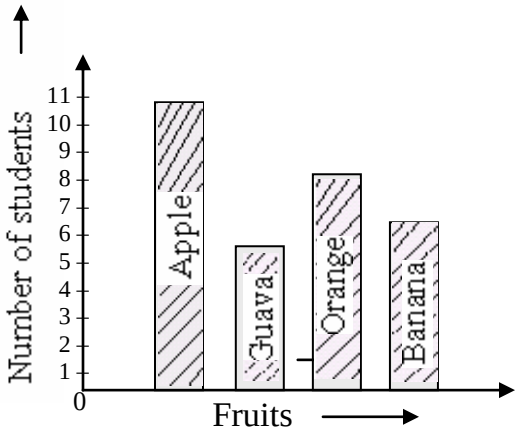
Q.3. The data for the various heights found in a class given below. The number of students for each group is given. Make a table and enter the data using tally marks:

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	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Number of magazines sold	75	50	30	50	45	20	65

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?

ASSIGNMENT- 9

Decimals

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 $\overline{AB}$ of length 5cm. Construct PQ such that the length of $\overline{PQ}$ is twice that of $\overline{AB}$.

Q.2. With the same centre, draw two circles of radius 6cm and 5cm.

Q.3. Draw any line segment $\overline{CD}$. 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

Mensuration

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

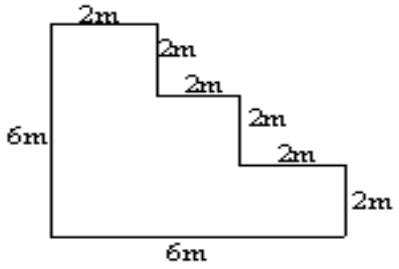
Find which rectangle has greatest area and which has least.

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.



ASSIGNMENT- 12

Algebra

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

(ii) 75 cm to 3 metres

(iii) A dozen to a score

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:

$$\frac{14}{21} = \frac{\square}{3} = \frac{6}{\square}$$

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