
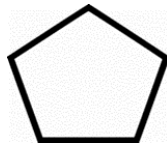


14.	The HCF of two consecutive even numbers is: (a) 0 (b) 1 (c) 2 (d) 3	1
15.	What is the smallest positive integer? (a) 1 (b) 0 (c) (-1) (d) 10	1
16.	Name the instrument from your geometry box. (a) Divider (b) Compasses (c) Protractor (d) Ruler	1
		
17.	If line segment AB is perpendicular to line segment CD and they intersect each other at O. What is the measure of $\angle BOC$? (a) 180° (b) 90° (c) 120° (d) 360°	1
18.	Name the polygon: (a) Triangle (b) Pentagon (c) Square (d) Hexagon	1
		

Assertion - Reason Based Questions

In the following questions, a statement of **Assertion(A)** is followed by a statement of **Reason(R)**. Choose the correct answer out of the following choices.

- (a) Both Assertion (A) and Reason (R) are true and Reason(R) is the correct explanation of Assertion(A).
 (b) Both Assertion(A) and Reason(R) are true and Reason(R) is not the correct explanation of Assertion(A).
 (c) Assertion (A) is true but the Reason(R) is false.
 (d) Assertion(A) is false but Reason (R) is true.

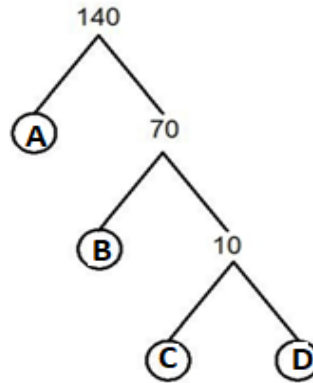
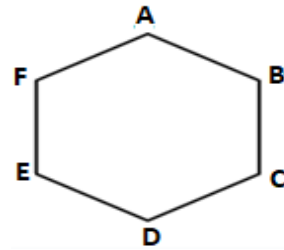
19.	Assertion (A): 24 is a composite number. Reason (R): Numbers having more than two factors are called composite numbers.	1
20.	Assertion (A): 600 is the successor of 599. Reason (R): A predecessor is a number that comes before the given number.	1

SECTION B

[This section comprises of very short answer type questions (VSA) of 2 marks each]

21.	(i) How many right angles do you make if you start facing south and turn clockwise to north? (ii) What part of a revolution turned through by the hour hand of a clock when it goes from 12 o'clock to 3 o'clock?	2
22.	Write all the integers between 0 and (-5) in the increasing order. OR Write the following integers in their decreasing order. (- 3), 0, (- 6), 5, (- 4), 6, 3, (- 8)	2
23.	Write the greatest and the smallest 5-digit numbers by using the digits 8, 3, 9, 2 and 0 without any repetition. OR One vegetable basket has 22 tomatoes. How many total tomatoes are there if there are 4 such baskets?	2

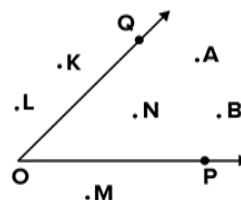
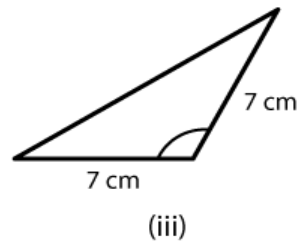
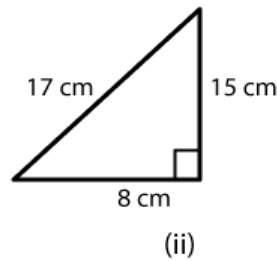
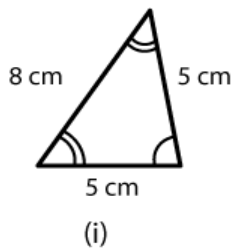
24.	How many line segments are there in the given figure? Name them.	2
25.	Find the missing values of A, B, C and D in the factor tree of 140.	2



SECTION C

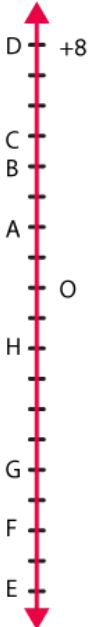
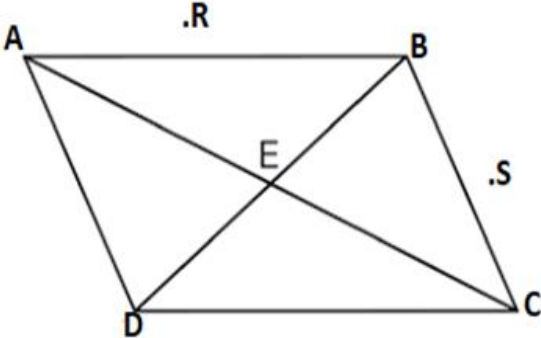
[This section comprises of short answer type questions (SA) of 3 marks each]

26.	Name each of the following triangles based on its sides and angles:	3
27.	Find the LCM of 24, 36 and 40. <p align="center">OR</p> Find the prime factorisation of 144.	3
28.	Find the product of the successor and the predecessor of the greatest 4-digit number.	3
29.	A machine, on average, manufactures 3,825 screws a day. How many screws did it produce in the month of January 2023? <p align="center">OR</p> Find the difference between the greatest 6-digit number and the smallest 5-digit number.	3
30.	Find the sum $(-3) + 5$ using number line. <p align="center">OR</p> Find the sum: $(-8) + (+5) + (-3) + (-2)$.	3
31.	In the given figure, name the following: (i) The points in the interior of the $\angle QOP$. (ii) The points in the exterior of the $\angle QOP$. (iii) The rays of the $\angle QOP$.	3



SECTION D

[This section comprises of long answer type questions (LA) of 5 marks each]

<p>32.</p>	<p>Adjacent figure is a vertical number line, representing integers. Observe it and answer the following questions:</p> <p>(i) If point D is + 8, then which point is (– 8)?</p> <p>(ii) Is point B a negative integer or a positive integer?</p> <p>(iii) Write integers for points A and F.</p> <p>(iv) Which point marked on this number line has the least value?</p> <p>(v) Find the value of A + H.</p>		<p>5</p>
<p>33.</p>	<p>(i) Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.</p> <p>(ii) Using divisibility test, determine whether 169308 is divisible by 3.</p> <p align="center">OR</p> <p>(i) Find the common factors of 15 and 25.</p> <p>(ii) Find first three common multiples of 4 and 6.</p>		<p>5</p>
<p>34.</p>	<p>(i) Place commas correctly and write the numeral in international system of numeration: “Seven million three hundred three thousand two hundred six.”</p> <p>(ii) A shoe factory manufactured 66250 shoes in 250 days. How many shoes did it manufacture per day?</p> <p align="center">OR</p> <p>(i) Sunny is a famous cricket player. He has so far scored 7,280 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?</p> <p>(ii) Place commas correctly and write the numeral in Indian system of numeration: “Nine crore five lakh forty-one.”</p>		<p>5</p>
<p>35.</p>	<p>Write the following from the given quadrilateral ABCD:</p> <p>(i) Name the diagonals of the quadrilateral.</p> <p>(ii) Points in the exterior of the quadrilateral.</p> <p>(iii) Sides of the quadrilateral.</p> <p>(iv) Angles of the quadrilateral.</p> <p>(v) Vertices of the quadrilateral.</p>		<p>5</p>

SECTION E

[This section comprises of 3 case based integrated unit of assessment of 4 marks each with sub-parts. The first two case study questions have three sub parts (i), (ii) (iii) of marks 1,1,2 respectively. The third part (iii) has internal choice. The third case study question has two sub parts (i), (ii) of 2 marks each]

36.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20



One day, during games period four friends Sohan, Mohan, Amit and Rahul planned to play game using number cards. They prepared 20 numbered cards with labelled 1 to 20 and then they put all the number cards in the empty chalk box available in the classroom. In this game every friend was asked to pick the card randomly and after each draw, card was replaced back in the chalk box.

- (i) Which is the smallest composite number?
- (ii) Which is the greatest prime number between 1 to 20?
- (iii) Find the HCF of 18 and 20.

1
1
2

OR

- (iii) Write all the multiples of 5 from the numbers given from 1 to 20.

37.

Cycling is a good form of sport to keep a person fit and healthy. Most of the people are interested in buying cycles for regular cycling in the morning or in the evening. In one state, the number of bicycles sold in last three years are given in a tabular form.

Year	Number of bicycles sold
2020	7,43,000
2021	8,00,100
2022	5,75,860



- (i) In which year were more bicycles sold?
- (ii) In which year were less bicycles sold?
- (iii) Find the difference between the bicycles sold in the year 2021 and 2020.

1
1
2

OR

- (iii) Find the total number of bicycles sold in all the three years.

38.



A deposit is money put into a bank account for safekeeping until you need it. A withdrawal is money that is taken out of your account. Mohan deposits ₹ 2000 in his bank account and withdraws ₹ 1642 from it the next day.

- (i) Write the amount deposited and withdrawn as integers with appropriate sign.
- (ii) Find the balance amount in Mohan's account after the withdrawal.

2
2

THE END

