गणित (इंग्रजी माध्यम) : इ. ७ वी

State Council of Educational Research and Training, Maharashtra, Pune-30.

Under 'STARS' Project

Summative Evaluation 1 : 2024-25

Standard - Seven : Subject - Mathematics

Name of the Student : _____ Roll No. : ☐

Name of the School : _____ Div. : _____

Cluster : _____ Block : _____ District : _____ Date : / / 2024

Question-wise and Learning Outcome-wise distribution of Marks

LOs No.	Practical/ Oral 07.71.16	Practical/ Oral 07.71.10	05.71.01	07.71.01	07.71.18	07.71.05	07.71.22	07.71.07	07.71.15	07.71.10	Total Marks	Signature of the Teacher
Question No.	1	2	3	4	5	6	7	8	9	10	Q. 1 to 10	
Marks Obtained												
Total Marks	5	5	10	4	6	10	8	6	4	2	60	

Instructions for Teacher : The teachers should keep the required material ready for the practical and oral examination before the test begins and keep records after taking responses from each student. Oral test questions are sample questions. Teacher can ask any such questions based on the same Lo's.

Practical and Oral questions

Total Marks ☐ / 10

Practical and Oral questions and instructions for teachers accordingly	
Prac. Q. 1 A)	Give necessary measures of some sides and angles to the students to construct a triangle. **(3 Marks)**
Oral Q. 1 B)	Ask any two characteristics of a triangle drawn. **(2 Marks)**

Practical and Oral questions and instructions for teachers accordingly	
Prac. Q. 2 A)	Ask students to draw two interesting lines in the notebook and ask to name it. Ask to write three pairs of angles e.g. adjacent angles, opposite angles, linear pair of angles. **(3 Marks)**
Oral Q. 2 B)	Give any measure of an angle and ask its complementary and supplementary angles. **(2 Marks)**

Written Test

Instructions : • **Solve all questions as per given instructions.**
• **Write the correct alternative of given Multiple Choice Questions in given box.**

Q. 3) Solve the following examples. **(Total 10 Marks)**

A) Write the number 3,45,673 in words. (1 Mark)

.....

B) Write in figures 'sixty five lakh sixty seven thousand seven hundred nine'. (1 Mark)

C) Write the expanded form. (2 Marks)

3,56,702

D) Solve. (1 Mark)

56,456 + 98,345

E) Solve. (1 Mark)

4,567 – 2,475

F) Solve. (2 Marks)

6,505 × 756

G) Solve. (2 Marks)

9,876 ÷ 25

Q. 4) Write the option number of the correct answer. **(Total 4 Marks)**

A) $(+ 5) \times (- 8) =$ (2 Marks)

1) 40 2) 13

3) – 40 4) – 3

B) $(- 120) \div (60) =$ (2 Marks)

1) – 60 2) 180

3) – 2 4) 60

Q. 5) Solve the following examples. **(Total 6 Marks)**

A) A shopkeeper has measures of 5, 10, 20 and 30 litre. He wants to fill the three containers of capacity 90, 120 and 150 litre with oil. Which of the highest capacity measure should he used to fill all the three containers? (3 Marks)

Activity : Here, all the three containers of capacity 90, 120 and 150 litre is to be filled using the highest capacity measure.

For this we have to find the ..... of 90, 120 and 150.

Let's find the prime factors.

90 =

120 =

150 =

∴ HCF =

∴ Out of 5, 10, 20 and 30 lit. measures, the shopkeeper should use

lit measure to fill the given three containers with oil.

B) Find the LCM of 18, 27, 36. (3 Marks)

18 =

27 =

36 =

LCM = Common factors × Uncommon factors

∴ LCM = ... × .....

∴ LCM of 18, 27, 36 is .....

Q. 6) Solve the following examples. **(Total 10 Marks)**

A) Solve. (2 Marks)

$(-8)^{12} \div (-8)^{9} =$

B) Write using positive index. (2 Marks)

$\left(\frac{3}{2}\right)^{-5} =$

C) Match the pairs. (3 Marks)

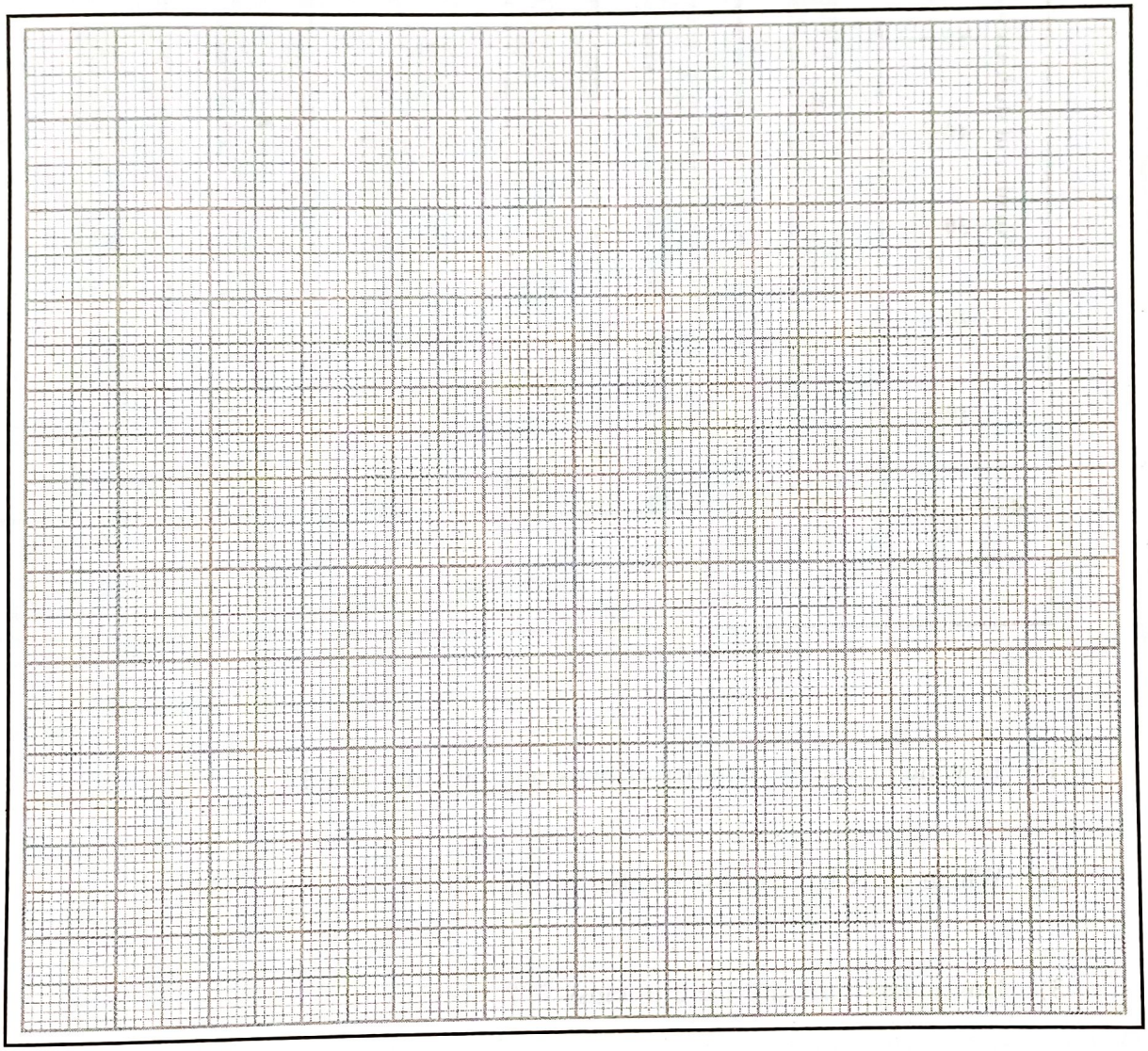
Group 'A'		Group 'B'
1) $5^4 \times 5^3$		a) 1
2) $5^8 \div 5^8$		b) 5^{18}
3) $(5^3)^6$		c) 5^7

D) Find the square root of 256. (3 Marks)
(method necessary)

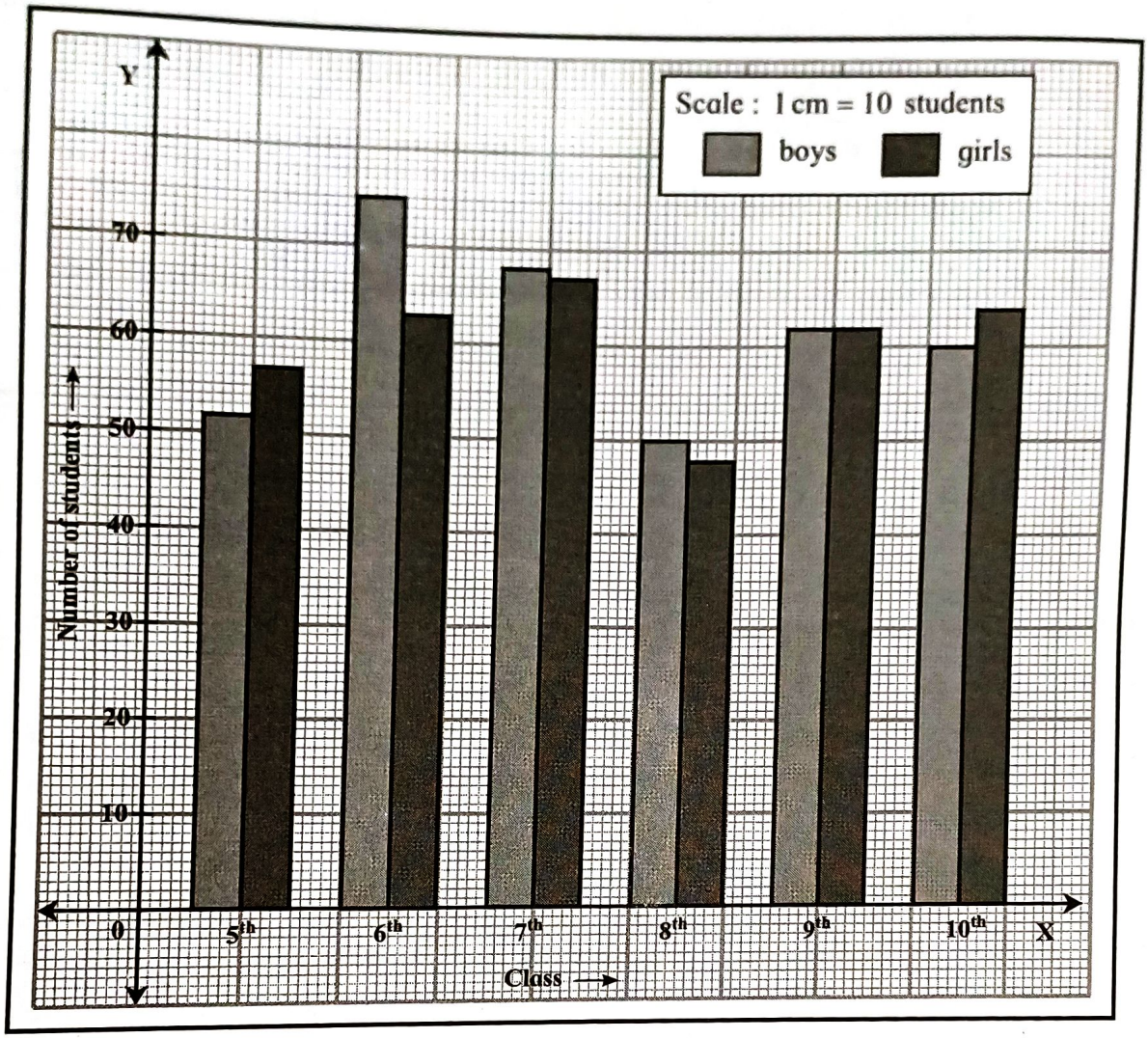
Q. 7) Draw joint bar graph for the given information. **(Total 8 Marks)**

A) In a centre, the number of newly literate people from five villages are as follows. Draw the joint bar graph to represent the given information. (4 Marks)

Name of the village	Bevnal	Ganeshwadi	Talegaon	Umardara	Kabalga
Newly literate Women	30	35	60	45	60
Newly literate Men	20	40	50	30	70



B) Observe the graph and answer the questions below it. (4 Marks)



1) In which class the number of boys and girls are equal? .....

2) Which class has highest number of boys? .....

3) How many girls are there in class 7^{th}? .....

4) Which class has least number of boys and girls? .....

Q. 8) Solve the following examples. **(Total 6 Marks)**

A) Add. (2 Marks)

$15a^2b^2 + 12c \;\; ; \;\; 26c - 25a^2b^2$

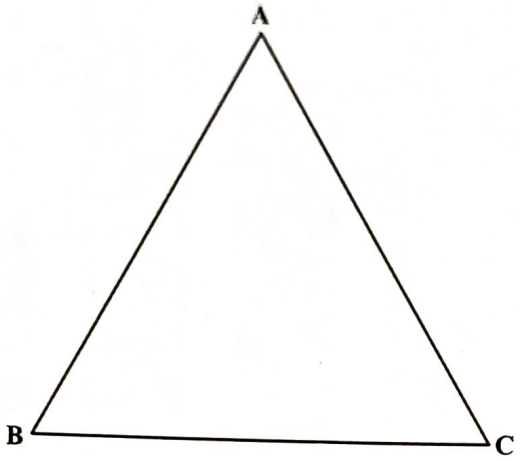
B) Subtract. (2 Marks)

$(3xy - 8z) \;\; ; \;\; (4xy - 17z)$

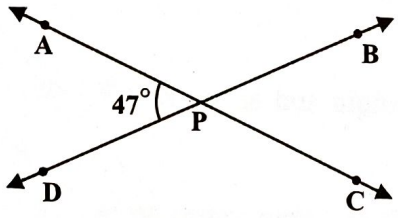
C) Multiply. (2 Marks)

$(4m + 5n) \times (9m + 7y)$

Q. 9) **Draw the perpendicular bisectors of all the three sides of triangle. Write whether the perpendicular bisectors are concurrent?** **(Total 4 Marks)**



Q. 10) **Observe the figure and write the measures of angles with reason.** **(Total 2 Marks)**



1) $m\angle BPC =$ ☐

because .....

2) $m\angle APB =$ ☐

because .....

■■■