

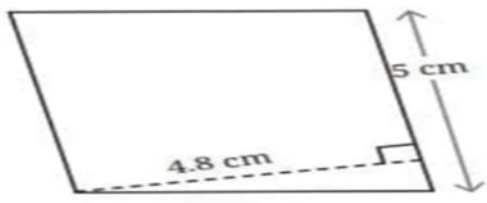
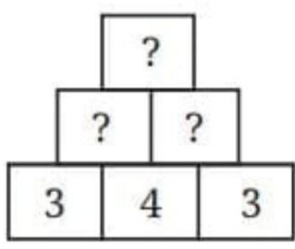
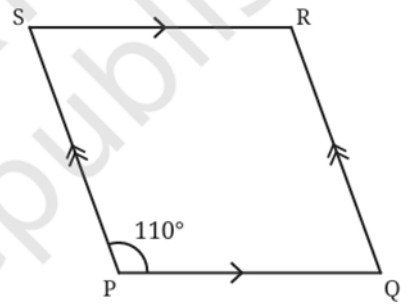
KENDRIYA VIDYALAYA SANGATHAN LUCKNOW REGION
SESSION ENDING EXAM, 2025-26
CLASS-VIII
SUB-MATHS

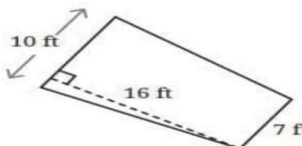
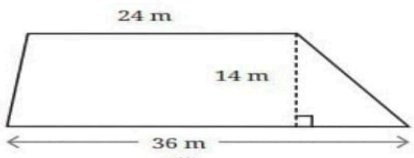
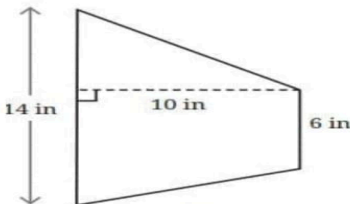
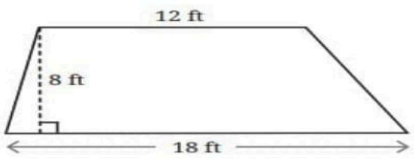
TIME- $2\frac{1}{2}$ HOURS

MAX MARKS-60

NOTE – All questions are compulsory.

SECTION - A (1 MARK EACH)		
1	Area of square with side 5 cm: a) 20 cm ² b) 15 cm ² c) 25 cm ² d) 10 cm ²	1
2	The ratio 2 : 4 is proportional to: (a) 1 : 4 (b) 1 : 2 (c) 2 : 8 (d) 4 : 2	1
3	Which of the following is not a property of a parallelogram (a) Opposite sides of a parallelogram are equal (b) Opposite angles of a parallelogram are equal (c) diagonals bisect each other (d) diagonals bisect each other perpendicularly	1
4	25% of 160 is ____ a) 60 b) 25 c) 40 d) 160	1
5	If 4 books cost ₹80, then 8 books will cost: (a) ₹120 (b) ₹140 (c) ₹160 (d) ₹180	1
6	The smallest 3-digit number divisible by 9 is: (a) 100 (b) 108 (c) 111 (d) 117	1
7	Which of the following number is divisible by 9 ? (a) 123 (b) 405 (c) 8888 (d) 93547	1
8	Which property is used in $5(6 + 4) = 5 \times 6 + 5 \times 4$? (a) Commutative (b) Associative (c) Distributive (d) Identity	1
9	Two quantities are inversely proportional if (a) their sum remains constant (b) their product remains constant (c) their difference remains constant (d) their quotient remains constant	1
10	The result of $6 \times (4+5)$ is (a) 54 (b) 56 (c) 45 (d) 69	1
11	$\frac{3}{5}$ can be written as _____ in percentage. a) 60% b) 30% c) 40% d) 50%	1
12	In direct proportion, if A doubles, B: a) Halves b) Doubles c) Triples d) Stays same	1
13	The length of one diagonal of a rectangle is 8cm. What is the length of the other diagonal. (a) 4cm (b) 8 cm (c) 16 cm (d) 10 cm	1
14	If digits of a 2-digit number $10a + b$ is reversed, the new number is?	1

	(a) $10a + b$ (b) $b + a$ (c) $10b + a$ (d) $b + 10a$	
15	In a 2×2 calendar grid if the top- left number is “a”, what is the bottom -right number ? (a) $a + 7$ (b) $a + 14$ (c) $a + 9$ (d) $a + 8$	1
SECTION - B (2 MARKS EACH)		
16	20 % of some number is 75. Find 100% of that number .	2
17	Find the product of $(3a - 9b)(3a + 9b)$	2
18	Find the dates if the final answer is 1269 Or Fill the digits 1,3 and 7 in $\quad \times \quad$ to make the largest product possible.	2
19	The mass of equal volumes of gold and water are in the ratio 37:2 . If 1 litre of water is 1 kg in mass, what is the mass of 1 litre of gold ?	2
20	Find the area of a rhombus whose diagonals are 20 cm and 15 cm. Or Find the area of the given parallelogram 	2
SECTION - C (3 MARKS EACH)		
21	The sum of four consecutive numbers is 34. What are these numbers ? Or Find the multiple of 9 that is closest to the number 6000	3
22	Find the product of 397×403 using identity	3
23	Fill the missing number at the top of this Virahanka-Fibonacci pyramid 	3
24	The earth travels approximately 940 million kilometres around the sun in a year. How many kilometres will it travel in a week ? Or Give three ratios that are proportional to 4:9	3
25	Find the remaining angles in the following quadrilateral 	3
Section D (4 MARKS EACH)		

26	Find the area of the following figures.  (i)  (ii)  (iii)  (iv) Or Express the following lengths in centimeters. (a) 5 in (b) 7.4 in	4
27	Using the diagonal properties construct a rhombus whose diagonals are of length 4 cm and 5 cm.	4
28	If a shopkeeper buys a geometry box for 75 rupees and sells it for 110 rupees, what is his profit margin with respect to the cost ?	4
SECTION- E case based (4 MARKS EACH)		
29	Geeta has 100 coins in the ratio – no. of 10 rupees coins : no. of 5 rupees coins : no. of 2 rupee coins : no. of 1 rupee coins :: 4:3:2:1 i) How many types of coins do Geeta has? ii) Calculate the number of 10 rupees coins. iii) How much money do Geeta has in coins?	1+1 +2
30	Sreelatha says ,” I have number that is divisible by 9. if I reverse its digits ,it will still be divisible by 9.” i) Examine if her conjecture is true for any multiple of 9. Show all the steps. ii) What is the divisibility rule of 9? iii) Check the divisibility of 9 for 108.	2+1 +1