



**ADMISSION TEST PAPER 2025-26**  
**SUBJECT: MATHEMATICS**  
**CLASS: 8**

Name:
Date:

Duration: 30 min
Marks Obtained: /20

Q1. Complete the following table for each trapezium. ( /4)

	Parallel Side 1	Parallel Side 2	Height	Area
a	8 cm	7 cm	5 cm	
b	9 cm	6 cm		75 m <sup>2</sup>

Q2. Complete the following number patterns and state the rules. ( /4)

- a. 3; 7; 11; 15; .....; .....; .....(write a formula for general term also)
- b. 31; 40; 49; 58 .....; .....; .....(write a formula for general term also)

Q3. Expand and simplify each of the following expressions. ( /3)

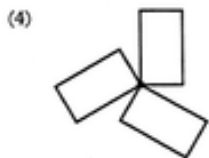
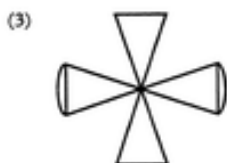
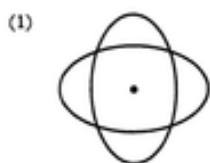
- a.  $5x(3x - 7) + 7x(4x - 8)$
- b.  $(y + 5)(y + 2) + 4y(3y + 2)$

Q4. Express:

- a) 570.579 correct to 3 significant figures. \_\_\_\_\_ ( /3)
- b) 99.9068 correct to the nearest whole number. \_\_\_\_\_
- c) 8.0798 correct to 1 decimal place. \_\_\_\_\_

Q5. Write down the order of rotational symmetry of the following figures.

( /3)



Q6. Solve the inequality and show the solution on a number line.

( /3)

i)  $7x - 5 < 12$

ii)  $7y > 140$