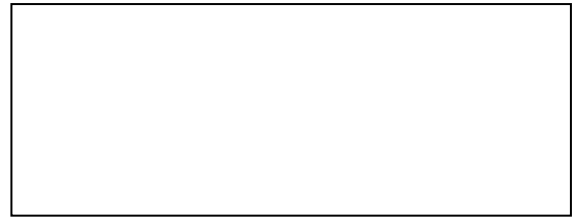




9	M	E	1	(A)
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↑
Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2009
Secondary 3
Mathematics
ANSWER BOOKLET

INSTRUCTIONS

1. Stick barcode labels in the spaces provided on page 1 and page 3.
 2. The time allowed is 65 minutes.
 3. Write ALL your answers in the spaces provided in this ANSWER BOOKLET.
 4. Do not write in the margins.
 5. The use of HKEAA approved calculators is permitted.
 6. Rough work should be done on the rough work sheet provided.
 7. Write your School Code, Class and Class Number in the boxes below.
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**School
Code**

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Class

3	
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**Class
No.**

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↑
Write one capital
letter in this box.

SECTION A: Multiple Choice Questions

MC Questions - Blacken the circle under the correct answer with an **HB pencil**. For example :

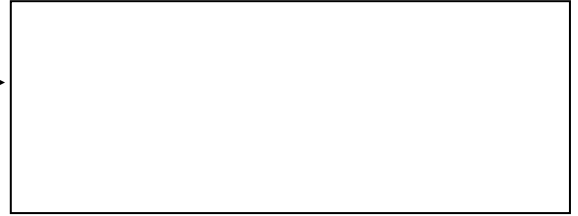
A B C D
● ○ ○ ○

1. A B C D
 ○ ○ ○ ○
2. A B C D
 ○ ○ ○ ○
3. A B C D
 ○ ○ ○ ○
4. A B C D
 ○ ○ ○ ○
5. A B C D
 ○ ○ ○ ○
6. A B C D
 ○ ○ ○ ○
7. A B C D
 ○ ○ ○ ○
8. A B C D
 ○ ○ ○ ○
9. A B C D
 ○ ○ ○ ○
10. A B C D
 ○ ○ ○ ○

Please do not write in the margin.

Please do not write in the margin.

Please stick the barcode label in the box →



Please do not write in the margin.

11. A B C D
○ ○ ○ ○
12. A B C D
○ ○ ○ ○
13. A B C D
○ ○ ○ ○
14. A B C D
○ ○ ○ ○
15. A B C D
○ ○ ○ ○
16. A B C D
○ ○ ○ ○
17. A B C D
○ ○ ○ ○
18. A B C D
○ ○ ○ ○
19. A B C D
○ ○ ○ ○
20. A B C D
○ ○ ○ ○
21. A B C D
○ ○ ○ ○

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SECTION B: Write your answers in the spaces provided. Working need not be shown.

22. (i) 4 goals scored : _____

(ii) 5 goals lost : _____

23. $\frac{4 + 7(-6)}{-2} =$ _____

24. Circle the answer: (i) Rate / Ratio

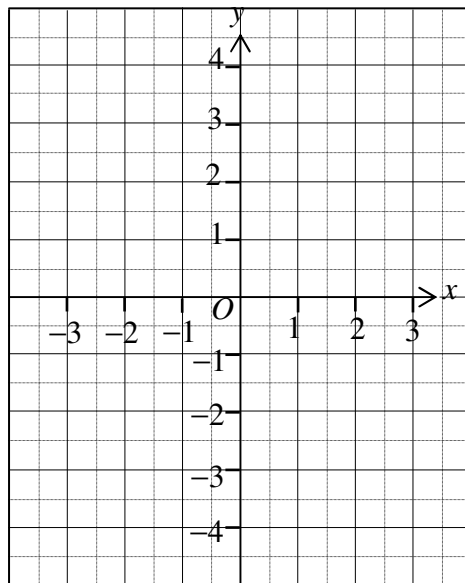
(ii) Rate / Ratio

25. Figure n is formed by _____ dots.

26. $(4x + 3)(x + 1) =$ _____

27. $x^2 - 2x - 15 =$ _____

28.



29. $y =$ _____

30. Inequality: _____

31. The total surface area of the cuboid is _____ cm^2 .

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32. The angle marked in the figure is _____.
33. The order of rotational symmetry is _____.
34. $x =$ _____; $y =$ _____.
35. One of the axes of rotational symmetry is _____.
36. The area of quadrilateral $ABCD$ is _____ square units.
37. The coordinates of the midpoint of AB are (_____ , _____).
38. (a) _____ staff members have age between 35 and 40.
(b) _____ staff members have age above 45.
(c) There are _____ staff members in this accounting firm.
39. The empirical probability of getting “opening sideways” is _____.

**SECTION C: Answer in the spaces provided.
All working and conclusions must be clearly shown.**

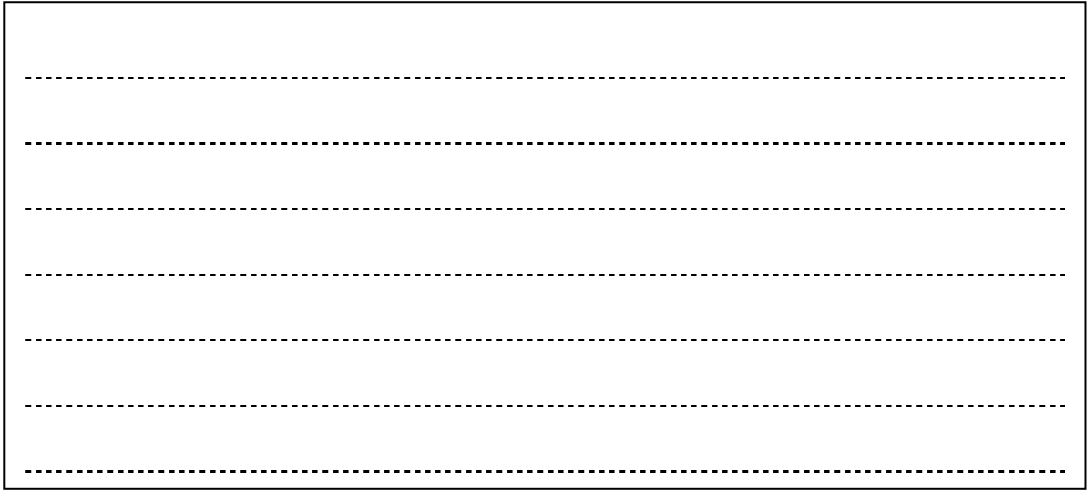
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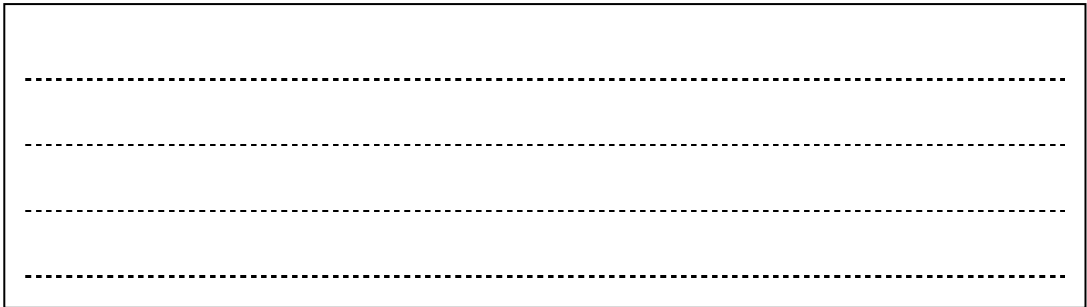
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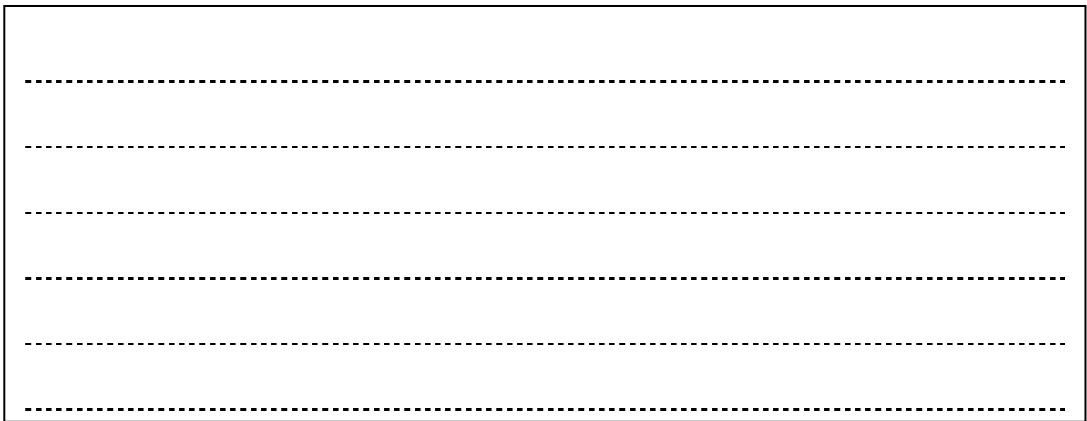
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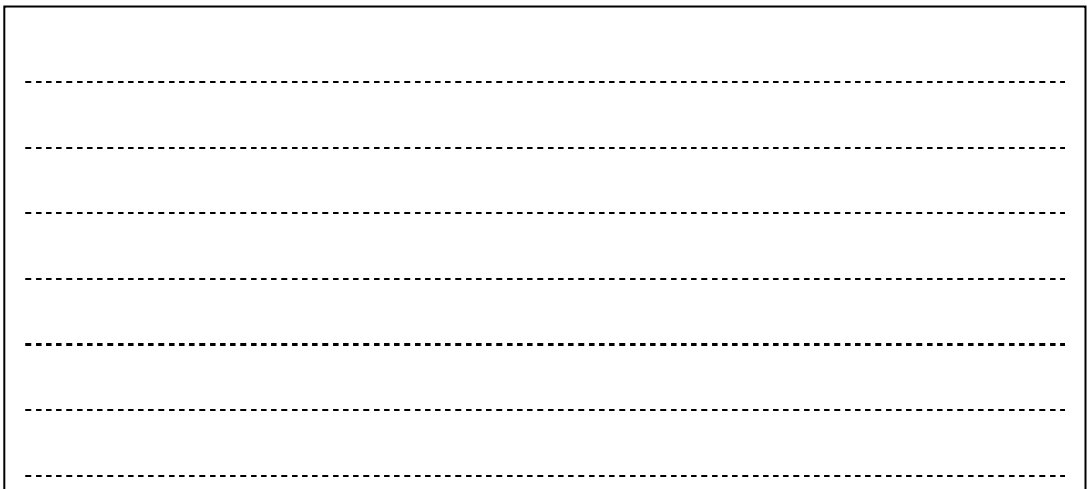
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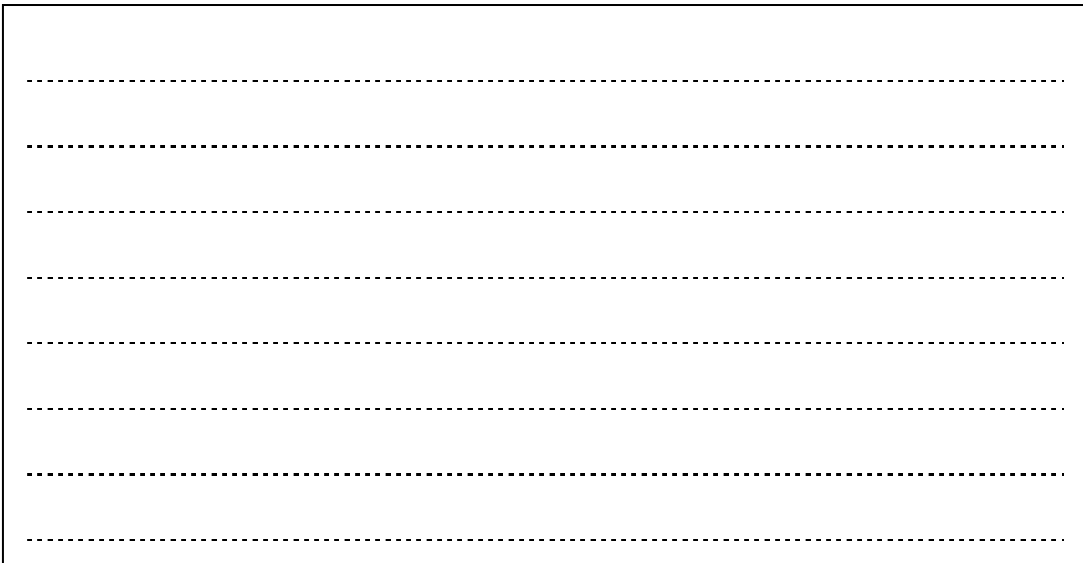
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Table 1	
Weights of school bags (kg)	Frequency
0.0 – 1.9	3
2.0 – 3.9	
4.0 – 5.9	
6.0 – 7.9	
8.0 – 9.9	
10.0 – 11.9	

Table 2	
Weights of school bags (kg)	Frequency
0.0 – 2.9	
3.0 – 5.9	
6.0 – 8.9	
9.0 – 11.9	

END OF PAPER

Please do not write in the margin.