

9 M E 2 (A)

Education Bureau
Territory-wide System Assessment 2020
Secondary Mathematics
ANSWER BOOKLET

Gainful Use of TSA 2020 Materials

INSTRUCTIONS

- 1. Write your School Code in the boxes provided on this page.
- 2. Estimated time for completion is 75 minutes.
- 3. Write ALL your answers in the spaces provided in this ANSWER BOOKLET.
- 4. Do not write in the margins.
- 5. Unless otherwise specified, numerical answers should be either exact or correct to 3 significant figures.
- 6. The use of HKEAA approved calculators is permitted.
- 7. Rough work should be done on rough work sheet.

School	C		
Code	2		

SECTION A: Multiple Choice Questions

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

- 1. A B C D
 - 0 0 0 0
- 2. A B C D
 - 0 0 0 0
- 3. A B C D
 - 0 0 0 0
- 4. A B C D
 - 0 0 0 0
- 5. A B C D
 - 0 0 0 0
- 6. A B C D
 - 0 0 0 0
- 7. A B C D
 - 0 0 0 0
- 8. A B C D
 - 0 0 0 0
- 9. A B C D
 - 0 0 0 0
- 10. A B C D
 - 0 0 0 0

Please do not write in the margin.

- 11. A B C D
 - 0 0 0 0
- 12. A B C D
 - 0 0 0 0
- 13. A B C D
 - 0 0 0 0
- 14. A B C D
 - 0 0 0 0
- 15. A B C D
 - 0 0 0 0
- 16. A B C D
 - 0 0 0 0
- 17. A B C D
 - 0 0 0 0
- 18. A B C D
 - 0 0 0 0
- 19. A B C D
 - 0 0 0 0
- 20. A B C D
 - 0 0 0 0

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- 21. A B C D
 - 0 0 0 0
- 22. A B C D
 - 0 0 0 0
- 23. A B C D
 - 0 0 0 0
- 24. A B C D
 - 0 0 0 0
- 25. A B C D
 - 0 0 0 0
- 26. A B C D
 - 0 0 0 0
- 27. A B C D
 - 0 0 0 0
- 28. A B C D
 - 0 0 0 0
- 29. A B C D
 - 0 0 0 0

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

- 30. (i) _____square(s) represents that the red chequer jumps 6 squares forwards.
 - (ii) _____square(s) represents that the green chequer jumps 1 square backwards.
- 31.
- 32.
- 33.
- 34.
- 35. $-\frac{3}{10}$ $-\frac{5}{10}$
- 36. The volume of the sphere is _____ cm³.
- 37. _____
- 38. (a) m =_____
 - (b) *n* =
- 39. *x* = _____
- 40. The gradient of the path PQ is ______.

41.

Table 1	
Weights of students (kg)	Frequency
40 – 49	
50 – 59	5
60 – 69	

Table 2	
Weights of students (kg)	Frequency
40 – 45	
46 – 51	4
52 – 57	
58 – 63	2
64 – 69	

Please do not write in the margin.

42. The modal class of the number of volunteering hours is

_____ hour(s) – _____ hour(s).

43.

44. x =______

45. _____

46.

47.

48. *a* = _____

49. *Circle the correct answer

(a) * $\triangle ABC \cong \triangle PQR / \triangle ABC \sim \triangle PQR$

(b) * AAA / AAS / ASA / RHS

50.	x =			

53. The coordinates of point
$$T$$
 are $(\underline{\hspace{1cm}},\underline{\hspace{1cm}})$.

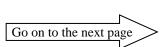
54.
$$AB =$$
 units

55.
$$() \rightarrow () \rightarrow () \rightarrow () \rightarrow ()$$

- 56. The weighted mean mark of Vincent is _____.
- 57. (a)

Group	A	В	С	D	Е	F
Height (cm)	131 – 140	141 – 150	151 – 160	161 – 170	171 – 180	181 – 190
Frequency	1			14		5

- (b) _____ students can be basketball team members.
- (c) The height of David should belong to group * A / B / C / D / E / F. (* Circle the correct answer)
- 58. The required empirical probability = _____
- 59. The marked price of the electrical fan is \$_____.
- 60. (a) _____
 - (b) _____



Please do not write in the margin.

- 61. The area of the sector is _____ cm².
- 62. Studying times of 15 students in the last week

Stem (10 hours)	Leaf (1 hour)
1	
2	
3	
4	
5	

Please do not write in the margin.

- 63. It takes ______ years to receive the interest.
- 64. The annual income of the team this year is \$_____.
- 65. The volume of water is _____ cm³.
- 66. DC =______ cm
- 67. The distance between *A* and *C* is _____ km.
- 68. (a)

Time (hour)	6 - 10	11 – 15	16 - 20	21 - 25
Class mark (hour)	8			23
Frequency	6	7	13	4

(b) The mean = hours

END OF PAPER