SEMESTRAL ASSESSMENT ONE (2017)

PRIMARY FOUR

MATHEMATICS

Name : _____ ( )

Class: Primary 4 _____

Date: 5 May 2017

Duration: 1 h 45 min

Parent's Signature: _____

Section A	40
Section B	40
Section C	20
Total Marks	100

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

For section A, shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 19 printed pages.

Section A: Multiple-Choice Questions (40 marks)

Questions 1 to 20 carry 2 marks each. For each question, four options are given.
One of them is the correct answer. Make your choice (1, 2, 3 or 4).
Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).
SHADE the oval completely. All diagrams are not drawn to scale.

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1. What is seventy-six thousand and ninety-two written in numerals?

   (1) 76 029
   (2) 76 092
   (3) 76 902
   (4) 76 920 ( )

---

2. In which of the following are the numbers arranged from greatest to smallest?

	(greatest)				(smallest)
(1)	6340	,	6403	,	6043
(2)	6043	,	6340	,	6403
(3)	6403	,	6043	,	6340
(4)	6403	,	6340	,	6043

( )

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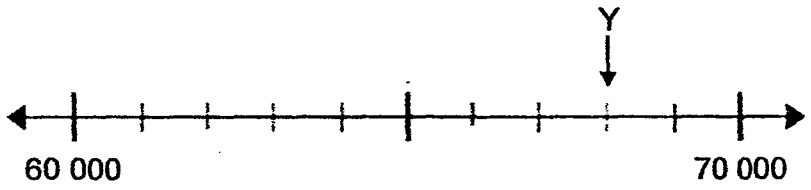
3. Look at the number line below. The number line is marked at equal intervals.
   What is the value of Y?



   (1) 60 080
   (2) 60 800
   (3) 68 000
   (4) 68 800 ( )

4. Which one of the following is 7000 when rounded to the nearest hundred?

(1) 6899
(2) 6950
(3) 7051
(4) 7099 ( )

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5. Which one of the following numbers is a factor of 24?

(1) 8
(2) 9
(3) 16
(4) 48 ( )

---

6. Which one of the following numbers is a multiple of 10?

(1) 5
(2) 2
(3) 15
(4) 20 ( )

---

7. What is the product of 78 and 36?

(1) 114
(2) 692
(3) 2708
(4) 2808 ( )

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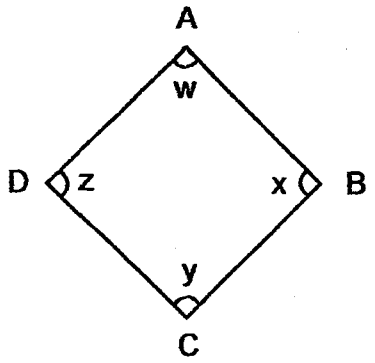
8. What is the quotient when 2352 is divided by 7?

(1) 336
(2) 337
(3) 339
(4) 341 ( )

9. In the diagram, which of the following angles is ∠BCD?



(1) ∠w

(2) ∠x

(3) ∠y

(4) ∠z ( )

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10. A laptop costs $789. How much will it cost for a school to buy 25 such laptops?

(1) $15 185

(2) $18 625

(3) $19 725

(4) $23 385 ( )

---

11. Amos had some money. He spent half of his money and had $8816 left.
How much did he have at first?

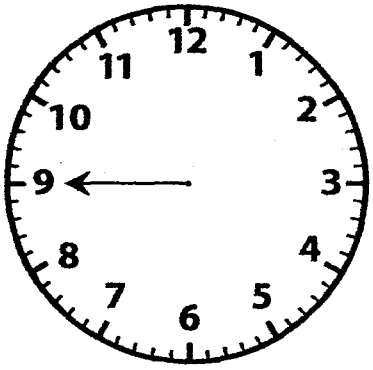
(1) $4405

(2) $4408

(3) $17 620

(4) $17 632 ( )

12. The diagram below shows a clock face with a minute hand pointing to 9.
John turns the minute hand and makes a $\frac{1}{4}$ - turn in an anti-clockwise direction.
Which number will the minute hand be pointing at after the turn?



(1) 6
(2) 9
(3) 3
(4) 12 ( )

---

13. Lester and Jingwen have 7380 beads altogether. Jingwen has thrice as many beads as Lester. How many beads does Lester have?

(1) 1476
(2) 1845
(3) 2460
(4) 3690 ( )

---

14. Dan packed some files equally into 8 boxes and gave away 3 of the boxes.
He had 750 files left in the remaining boxes. How many files did he pack into each box?

(1) 150
(2) 300
(3) 450
(4) 750 ( )

15. Pauline bought 2456 picture cards. She bought 80 fewer picture cards than Harry. How many picture cards did they have altogether?

(1) 2376
(2) 2536
(3) 4824
(4) 4992 ( )

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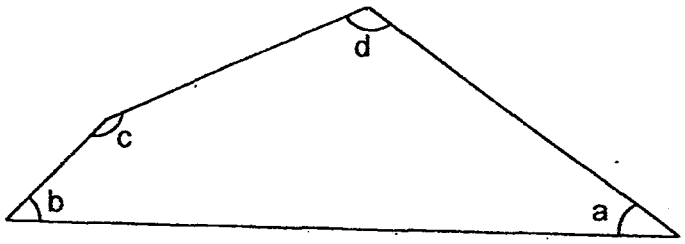
16. In the diagram below, which two angles are obtuse angles?



(1) ∠a and ∠b
(2) ∠b and ∠d
(3) ∠c and ∠d
(4) ∠d and ∠a ( )

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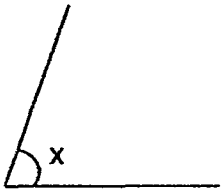
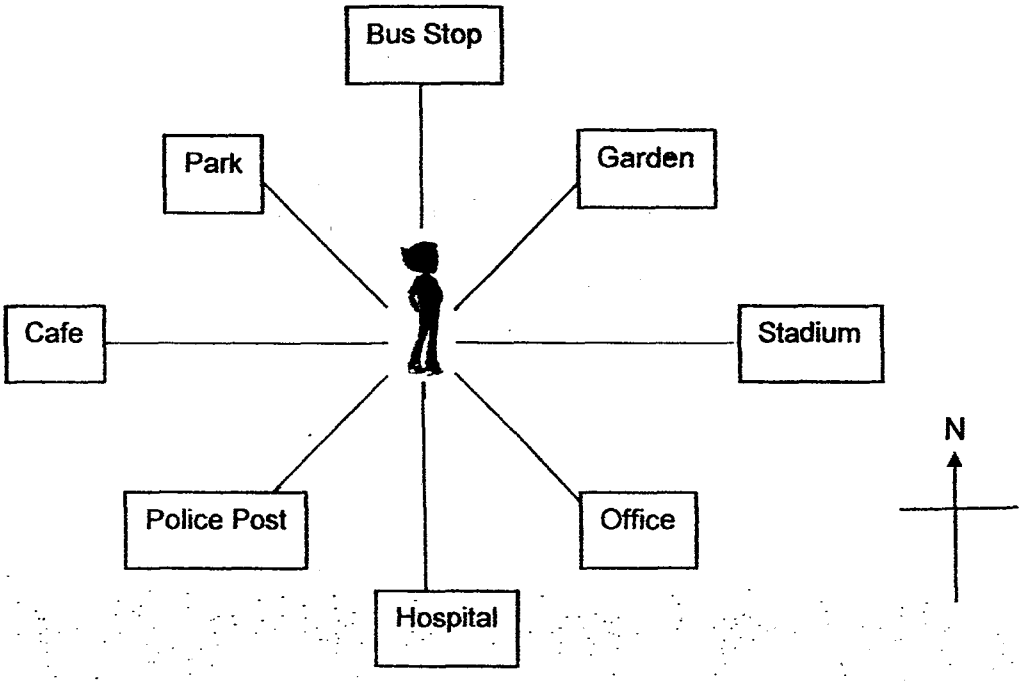
17. Which of the following is the best estimate for ∠x?



(1) 10°
(2) 70°
(3) 90°
(4) 120° ( )

18. Look at the diagram below. Ahmad is facing the garden.
He turns through an angle of 225° in a clockwise direction. What will he be facing?



(1) Cafe
(2) Park
(3) Office
(4) Hospital ( )

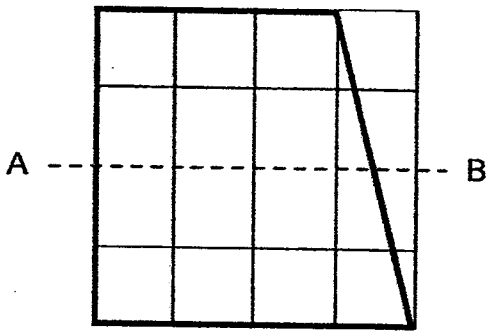
---

19. At a party, every 4th guest gets a cap and every 7th guest gets a bag.
Which one of the following guests will get both a cap and a bag?

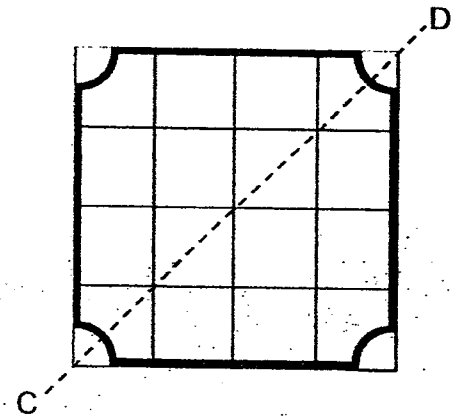
(1) 14th
(2) 37th
(3) 44th
(4) 56th ( )

20. The following shapes are drawn on square grids.
Which one of the dotted line is a line of symmetry?

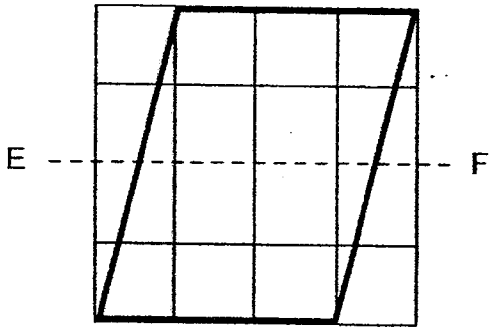
(1)



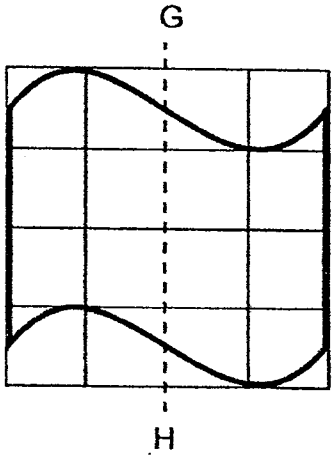
(2)



(3)



(4)



( )

-- END OF SECTION A –

Section B: Open Ended Questions (40 marks)

Do not write in this space.

Question 21 to 40 carries 2 marks each. Show your working and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

21. What is the missing number in the number pattern below?

27 513 , 29 513 , 31 513 , 33 513 , ___?___ , 37 513

Ans: _____

22. Use the digits 9, 2, 7, 3 to form the smallest 4-digit even number.

Ans: _____

23. The number of stamps Bernice has is 380 stamps when rounded to nearest ten. What is the greatest possible number of stamps that Bernice have?

Ans: _____

24. List all the common factors of 16 and 40.

Ans: _____

25. List the first two common multiples of 6 and 9.

Do not write in this space.

Ans: _____

26. When a number is divided by 5, its quotient is 840 and its remainder is 4. What is the number?

Ans: _____

27. 78 x 200 = 78 x 2 x ___?___

Ans: _____

28. Gerald has equal number of balls in Box A and Box B at first. He removes 120 balls from Box A and adds 120 balls into Box B. There is a total of 500 balls in both boxes in the end. How many balls are there in Box A in the end?

Ans: _____

29. For every 2 points scored in a quiz, 8 stickers are given.
How many points must be scored to collect 480 stickers?

Do not write in this space.

Ans: _____

30. Benny has 140 bottles to be packed into boxes. 6 bottles can be packed into each box. What is the least number of boxes Benny needs in order to pack all his bottles into boxes?

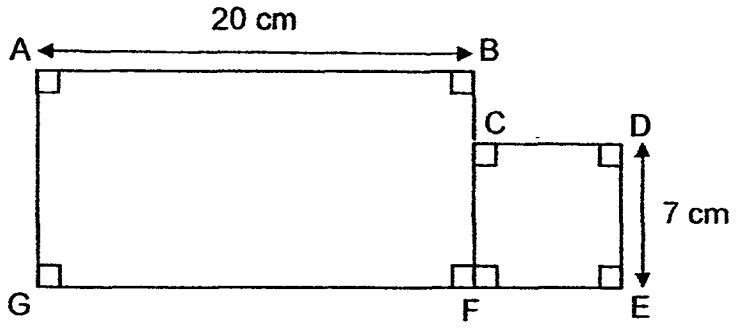
Ans: _____

31. The sum of two numbers is 9408. The difference of the two numbers is 2000. What is the value of the smaller number?

Ans: _____

Do not write in this space.

32. The figure below is not drawn to scale.
ABFG is a rectangle and CDEF is a square. AB is 20 cm. DE is 7 cm.
What is the length of GE?



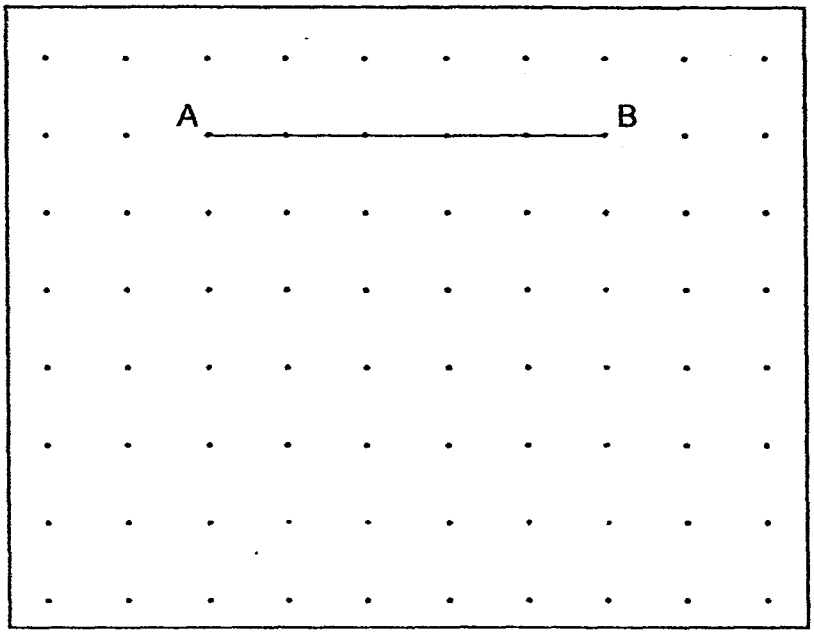
Ans: _____ cm

33. Wendy has two strings of length 16 cm and 20 cm. She cuts each string into shorter pieces of equal length. Every shorter piece from both strings is of the same length. What is the greatest possible length of each shorter piece of string?

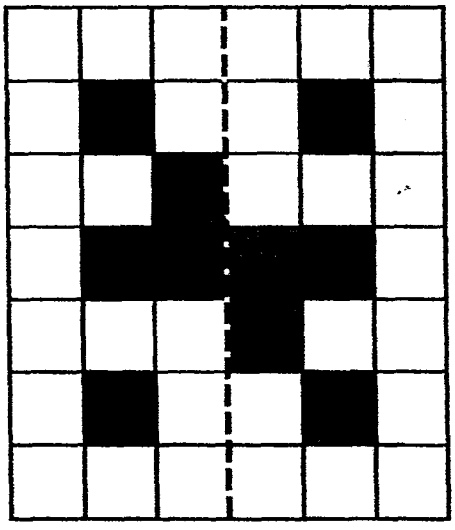
Ans: _____ cm

34. AB is one side of a square. Draw the square in the dot grid provided.

Do not write in this space.



35. The dotted line in the figure below is a line of symmetry.
Complete the symmetric figure by shading two more squares.



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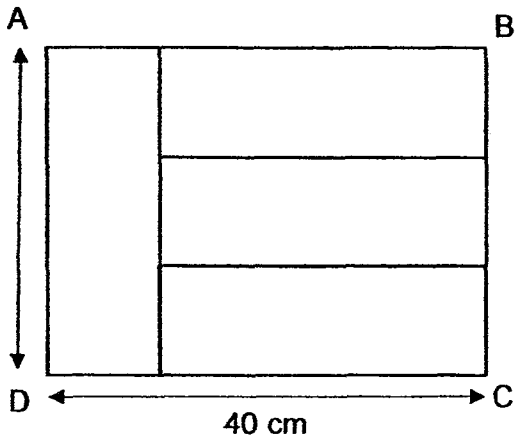
36. 4 identical rectangles are used to form a bigger rectangle ABCD.

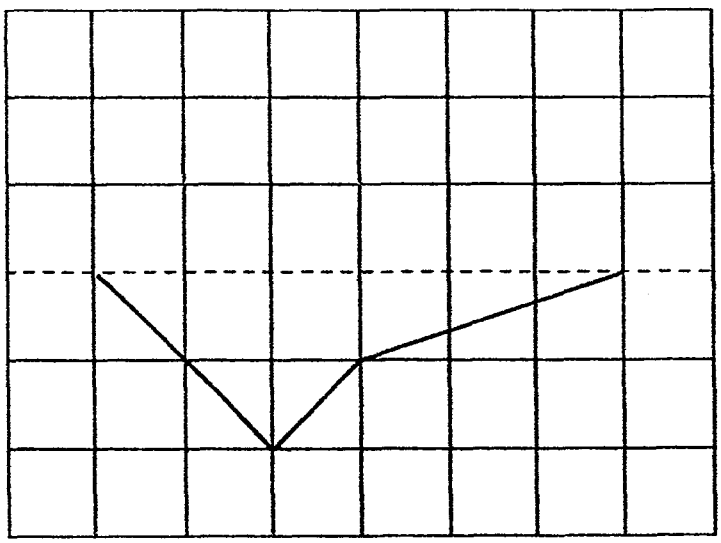
What is the length of AD?



Ans: _____ cm

37. The dotted line in the figure below is a line of symmetry.

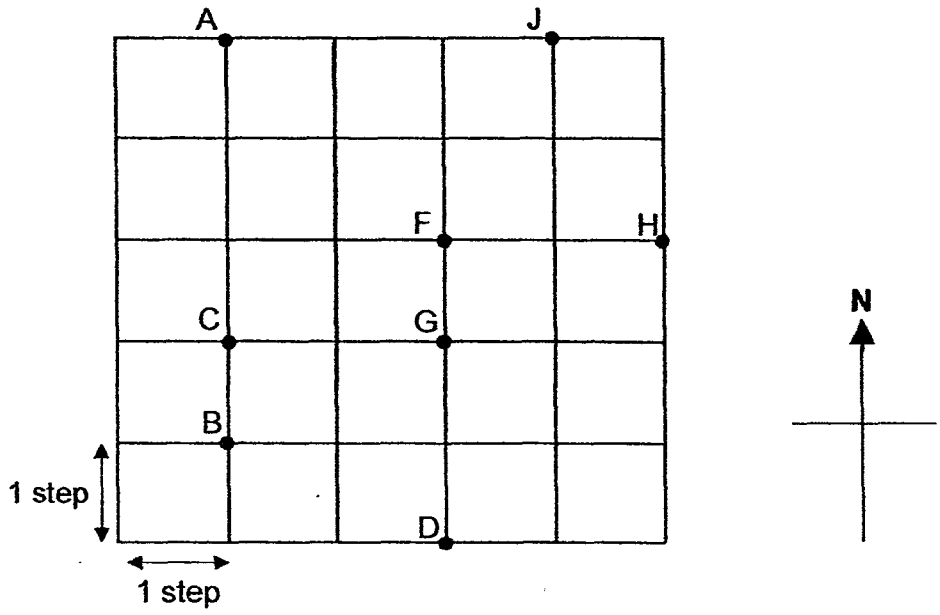
Complete the symmetric figure with the dotted line as the line of symmetry.



A, B, C, D, F, G, H, J are points on the map.

Study the map and answer questions 38 to 40.

Do not write in this space.



38. Nathan is standing at point F. He turns to face point A.
Which direction is Nathan facing from point F?

Ans: _____

39. Lorraine is standing at point G. She walks to the next point in the south direction from point G. Which point will she be at after the walk?

Ans: _____

40. Siti is standing at one of the points on the map. She walks in the north-east direction to point J. Which point was she standing at before the walk?

Ans: _____

– END OF SECTION B –

Section C: Word Problem Sums (20 marks)

Question 41 to 45 carries 4 marks each. Write your answer in the blank provided. Show your workings clearly.

Do not write in this space.

41. A farmer had 6790 oranges. She sold 309 oranges to each of her 8 customers and gave away 1324 oranges.

How many oranges did she have left?

Ans: _____ [4]

42. Sami bought a shirt, a bag and a cap. The shirt cost $82 more than the cap. The bag cost $57 more than the shirt. He paid $323 in total.

How much did the shirt cost?

Do not write in this space.

Ans: _____ [4]

43. Jacky, Ken and Lindy scored a total of 520 points in a game.
Ken had 30 more points than Jacky. Lindy had thrice as many points as the total number of points Ken and Jacky had.
How many points did Ken have?

Do not write in this space.

Ans: _____ [4]

44. Raymond, Sarah and Kim had a total of 829 bottle caps. Raymond had 271 more bottle caps than Sarah. Sarah had 4 times as many bottle caps as Kim. How many bottle caps did Sarah have?

Do not write in this space.

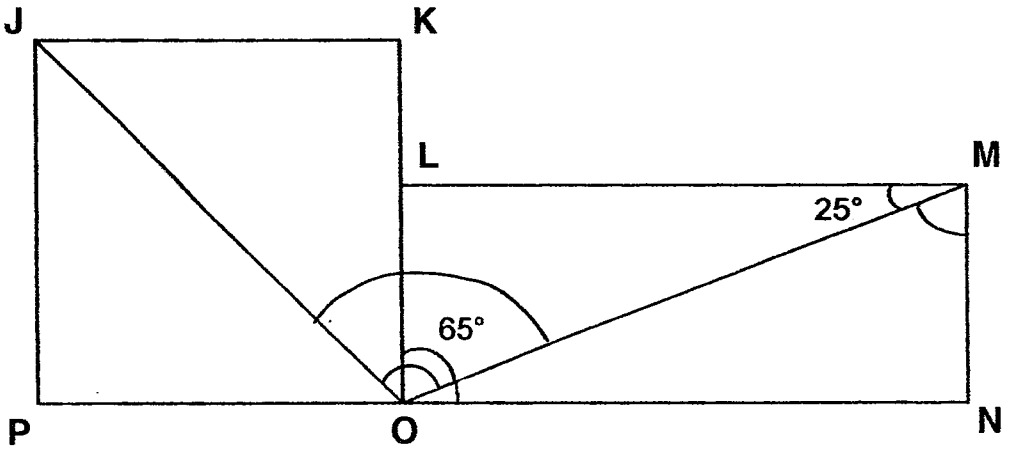
Ans: _____ [4]

45. The figure below is not drawn to scale.

JKOP is a square and LMNO is a rectangle. $\angle LMO$ is 25°. $\angle LOM$ is 65°.

(a) Find $\angle OMN$.

(b) Find $\angle JOM$.



Do not write in this space.

Ans: (a) _____ [2]

(b) _____ [2]

END OF PAPER.
Have you checked your work?

EXAM PAPER 2017

LEVEL	:	PRIMARY 4
SCHOOL	:	CATHOLIC HIGH SCHOOL
SUBJECT	:	MATHEMATICS
TERM	:	SA1

Paper 1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	3	2	1	4	4	1	3	3
Q11	**Q12**	**Q13**	**Q14**	**Q15**	**Q16**	**Q17**	**Q18**	**Q19**	**Q20**
4	1	2	1	4	3	2	1	4	2

Q21 35 513

Q22 3792

Q23 384

Q24 1,2,4,8

Q25 18,36

Q26 4204

Q27 100

Q28 130

Q29 120

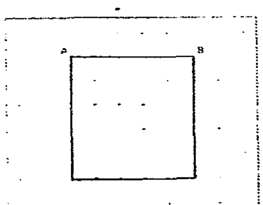
Q30 24

Q31 3704

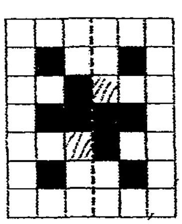
Q32 27cm

Q33 4cm

Q34

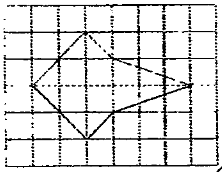


Q35



Q36 30cm

Q37



Q38 North west

Q39 Point D

Q40 Point C

Q41 309 X 8 = 2472
2472 + 1324 = 3796
6790 – 3796 = **2994**

Q42 82 + 82 + 57 = 221
323 – 221 = 102
102 ÷ 3 = 34
34 + 82 = **116**

Q43 30 X 4 = 120
520 – 120 = 400
400 ÷ 8 = 50
50 + 30 = **80**

Q44 829 – 271 = 558
558 ÷ 9 = 62
62 X 4 = **248**

Q45 (a) 90° – 25° = **65°**

(b) 90° ÷ 2 = 45°
45° + 65° = **110°**

2
END.