MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 1

Primary 4 MATHEMATICS

14 MAY 2019

BOOKLET A

20 questions

40 marks

Total Time For Booklets A and B: 1 h 45 min

NAME : _____ ( )

CLASS : PRIMARY 4 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Section A (20 x 2 = 40 marks)

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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1. Which one of the following is the same as 62 409?

   (1) 6 000 + 200 + 40 + 9

   (2) 60 000 + 2000 + 40 + 9

   (3) 60 000 + 2000 + 400 + 9

   (4) 60 000 + 2000 + 200 + 9

2. Round 55 825 to the nearest thousand.

   (1) 55 000

   (2) 55 800

   (3) 55 900

   (4) 56 000

3. An odd number when rounded to the nearest hundred is 2800. The smallest possible value of this odd number is _____.

   (1) 2750

   (2) 2751

   (3) 2753

   (4) 2755

4. Which of the following statement is correct?

   (1) 7 is a factor of 28

   (2) 12 is a multiple of 8

   (3) 3 is a common factor of 18 and 32

   (4) 24 is a common multiple of 6 and 14

5. Which of the following pairs of numbers are multiples of 8?

(1) 2 and 4

(2) 24 and 53

(3) 36 and 64

(4) 48 and 72

6. What is the missing number of **A** and **B** in the number pattern?

23 723, 24 623, A _____, B _____, 27 323

(1) 24 523 , 25 423

(2) 24 533 , 25 623

(3) 25 523 , 26 423

(4) 25 723 , 26 323

7. _____ ÷ 4 = 3795 R2

(1) 7590

(2) 7594

(3) 15 180

(4) 15 182

8. Mr Koh's age is between 35 and 55. His son's age is a factor of 30. If Mr Koh is 6 times his son's age, how old is his son?

(1) 5

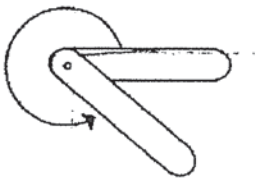
(2) 6

(3) 3

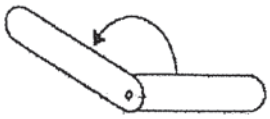
(4) 10

9. Which pair of angle strips below shows a turn between a $\frac{1}{2}$ - turn and a $\frac{3}{4}$ - turn?

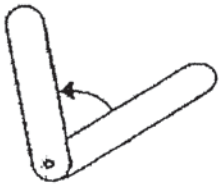
(1)



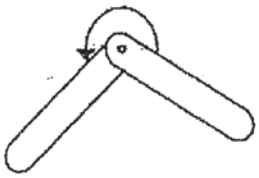
(2)



(3)



(4)



10. How many of the numbers below have a line of symmetry?

2 0 1 9

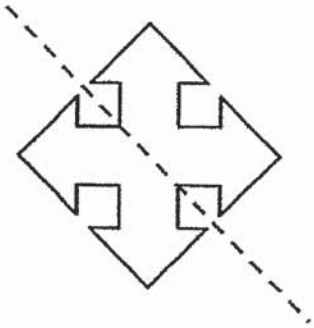
(1) 1
(2) 2
(3) 3
(4) 4

11. A machine can produce 7680 toys in 8 hours.
How many toys can the machine produce in one hour?

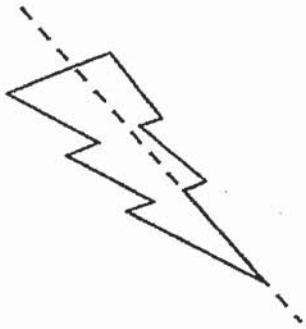
(1) 480
(2) 960
(3) 1920
(4) 3840

12. Which of the dotted lines is a line of symmetry?

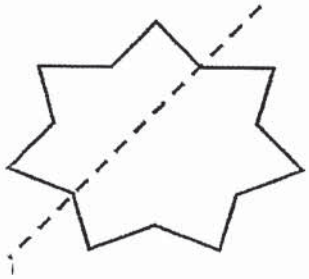
(1)



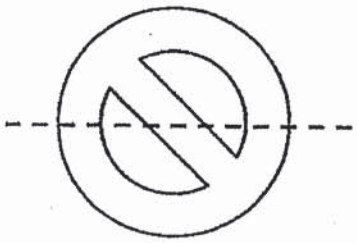
(2)



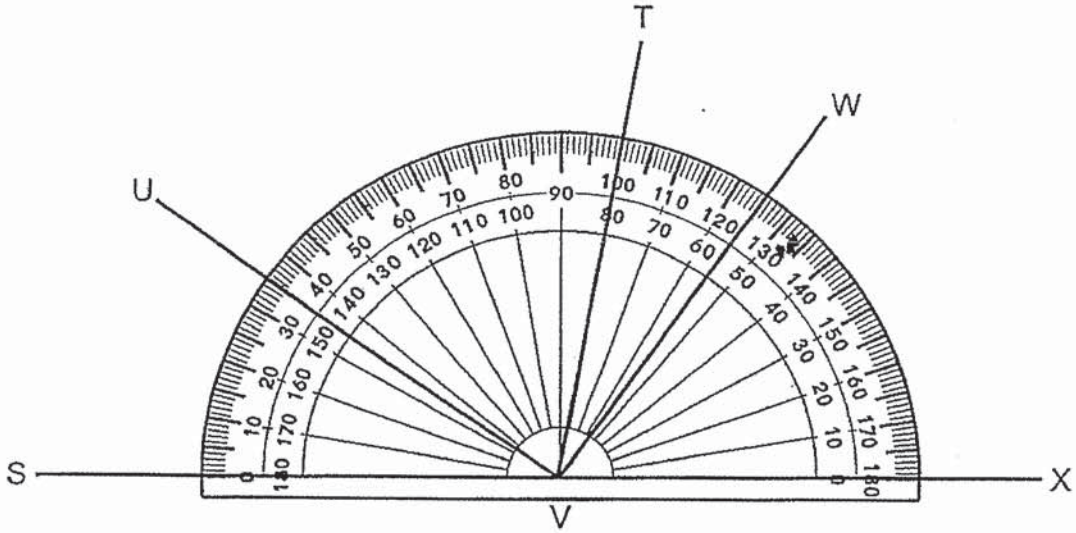
(3)



(4)



13. Which one of the following angles is 65°?



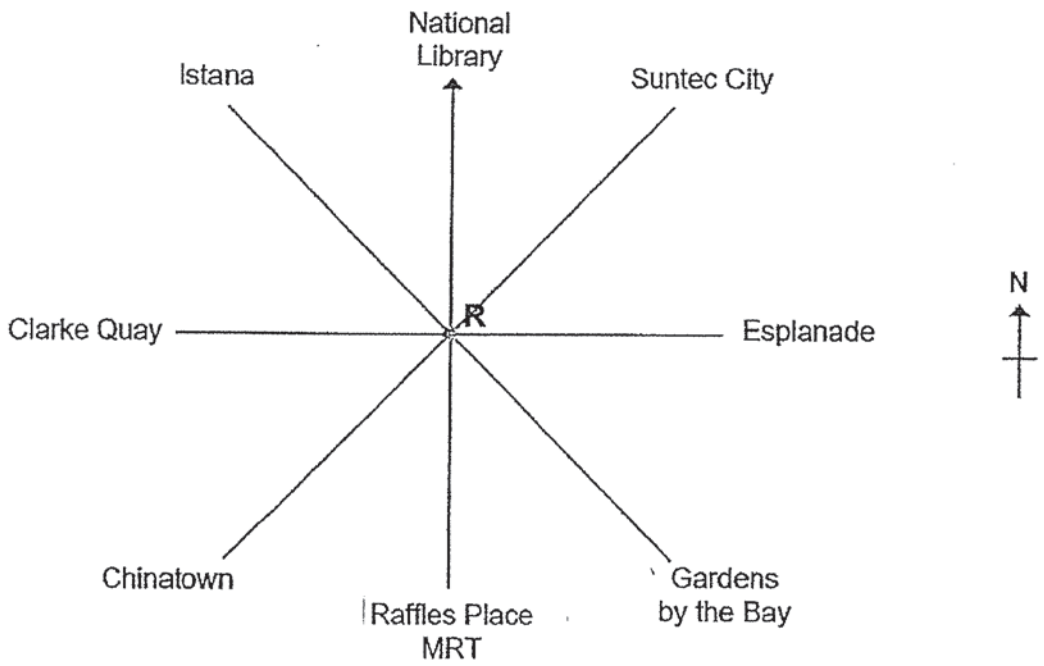
(1) ∠ SVU

(2) ∠ TVU

(3) ∠ UVW

(4) ∠ XVW

14. Robin is standing in the centre at Point R facing Suntec City.



If he makes a _____- turn in the_____ direction, he will face Istana.

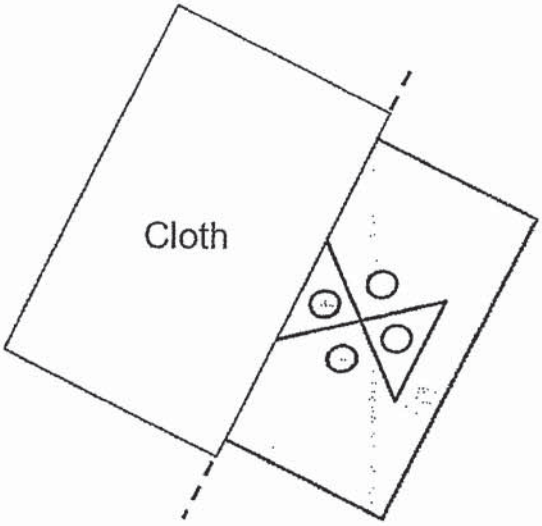
(1) $\frac{1}{4}$, clockwise

(2) $\frac{1}{2}$, clockwise

(3) $\frac{1}{4}$, anti-clockwise

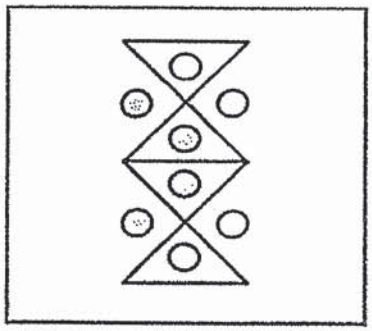
(4) $\frac{3}{4}$, anti-clockwise

15. A piece of cloth is used to cover half of a symmetric pattern as shown below.

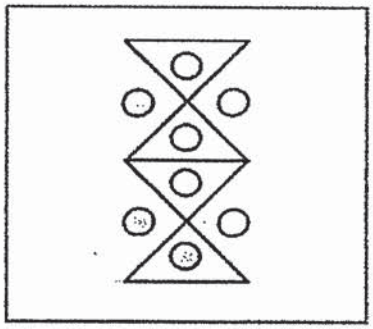


Which of the following shows the correct symmetric pattern when the cloth is removed?

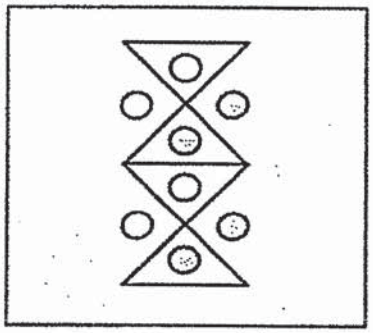
(1)



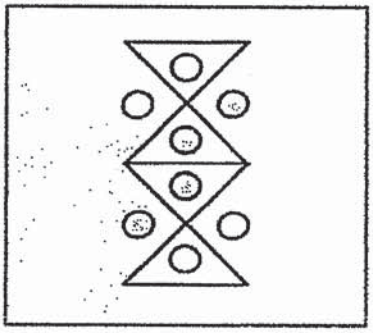
(2)



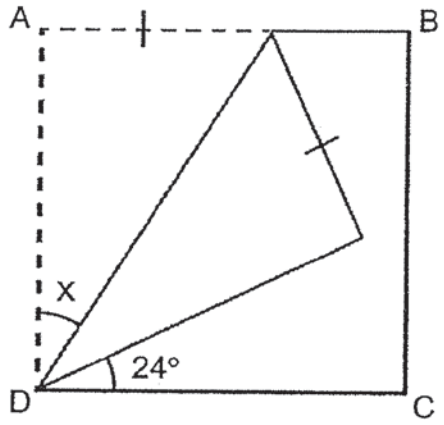
(3)



(4)



16. Square ABCD is folded to form the figure below. Find ∠x.



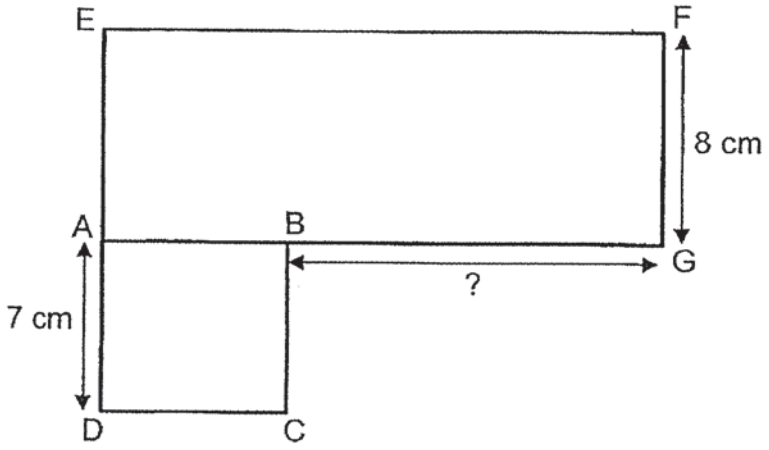
(1) 12°

(2) 24°

(3) 33°

(4) 66°

17. In the figure, ABCD is a square and EFGA is a rectangle.
The length of EF is 3 times the length of FG, FG = 8 cm and AD = 7 cm.
Find the length of BG.



(1) 16 cm

(2) 17 cm

(3) 21 cm

(4) 24 cm

18. A class is playing an "input-output" game. Each student is to choose an "input" number and then use the rule below to work out the "output" number.

"Input-output" Rule
Add 2 to the input number
Multiply the sum by 8 to get the output number

The table below shows the "input" number and the "output" number calculated by four students. Which student gave the **wrong** "output" number?

Name of Students	"Input" Number	"Output" number
Alan	4	48
Benny	20	176
Candice	9	74
Doris	7	72

(1) Alan

(2) Benny

(3) Candice

(4) Doris

19. A drink stall sold 478 canned drinks on Saturday. It sold 3 times as many canned drinks on Sunday than on Saturday. How many canned drinks did the stall sell on both days?

(1) 1434

(2) 1882

(3) 1902

(4) 1912

20. Edmund has $190 in his wallet. They are all $2 and $5 notes.
There were 4 more $2 notes than $5 notes.
How many $2 notes does Edmund have?

(1) 26

(2) 30

(3) 91

(4) 95

End of Booklet A

Go on to Booklet B

MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 1

Primary 4 MATHEMATICS

14 MAY 2019

BOOKLET B

25 questions

60 marks

Total Time For Booklets A and B: 1 h 45 min

NAME : _____ ( )

CLASS : PRIMARY 4 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

MARKS OBTAINED :

BOOKLET A: _____ / 40

BOOKLET B: _____ / 60

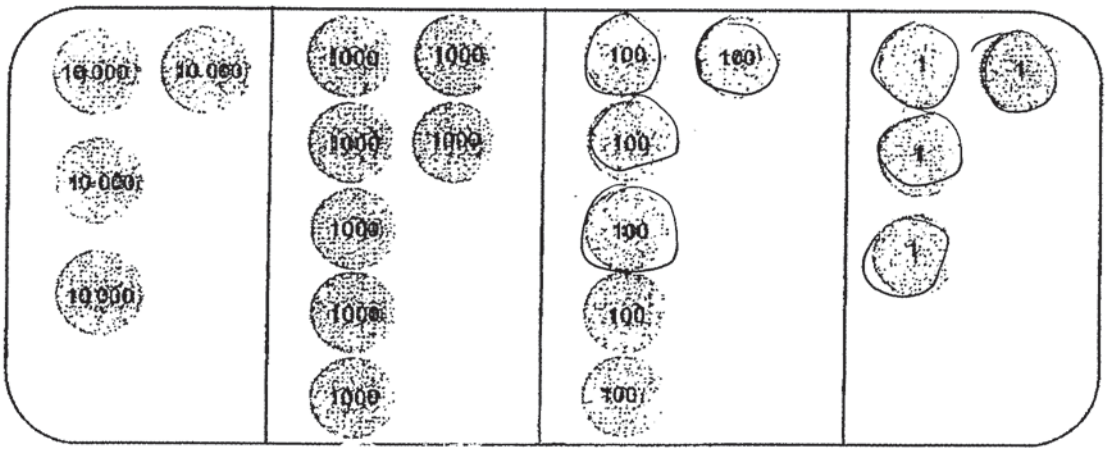
TOTAL : _____ / 100

Section B (20 x 2 = 40 marks)

Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this space.

21. Write the number represented by the number discs.



Answer: _____

22. Find the product of 328 and 45.

Answer: _____

23. What is the difference between the 7th multiple of 8 and the 3rd multiple of 9?

Answer: _____

SCORE
(Go on to the next page)

24. A number is between 20 and 40. It is a multiple of 6.
When it is divided by 5, the remainder is 1.
What is the number?

Do not write in this space.

Answer: _____

25. Study the four numbers below carefully.

46 338	46 833	64 383	64 833

Based on the numbers given, each of the following statements is either **True** or **False**. For each statement, put a tick (✓) in the correct column to indicate your answer.

		True	False
(a)	The difference between the greatest and the smallest number is 18 495.		
(b)	The following numbers are arranged in decreasing order.		

26. Use the following clues to find the **smallest** 5-digit number.

- All the digits are made up of different even digits.
- The digit in the ones place is twice the digit in the tens place.
- The digit in the hundreds place is 4 more than the digit in the ten thousands place.

Answer: _____

SCORE
(Go on to the next page)

27. 4 dining tables cost as much as 3 sofas.
Each sofa costs $3296. How much is a dining table?

Answer: $ _____

Do not write in this space.

28. Pauline has less than 70 seashells. If she packs all the seashells in bags of 9, she will have 4 seashells left unpacked. If she packs all the seashells in bags of 7, she will have no seashells left unpacked. How many seashells does Pauline have?

Answer: _____

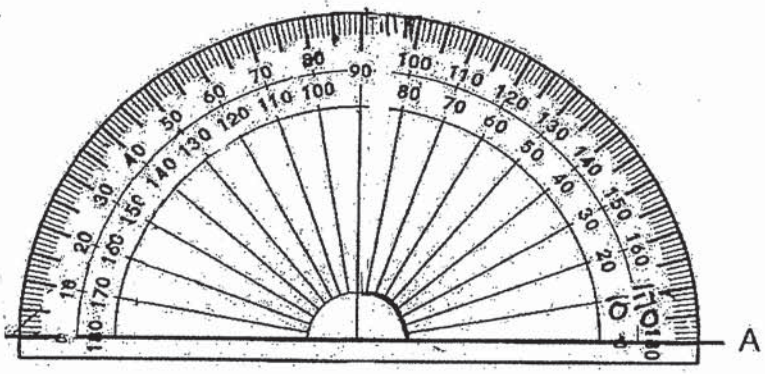
29. Mr Vincent had 292 beads. After giving 7 beads to each student in his class, he had 26 beads left. How many students were there in his class?

Answer: _____

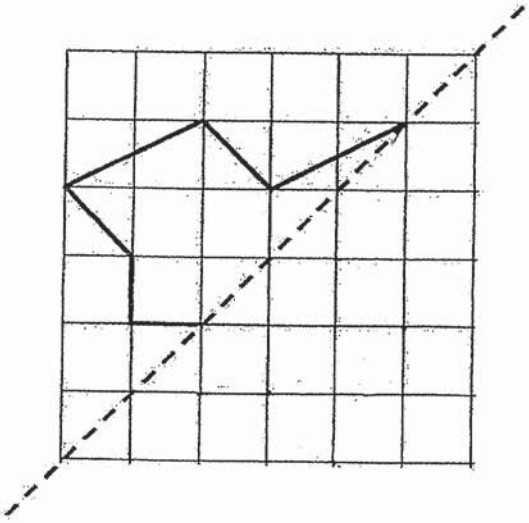
SCORE
(Go on to the next page)

30. Draw a line on the protractor below to show ∠ABC = 85°. Label the line.

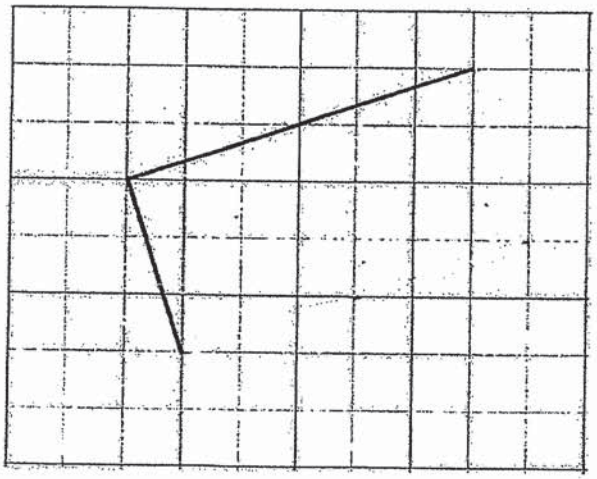
Do not write in this space.



31. Complete the symmetric figure using the dotted line as a line of symmetry.



32. Complete the rectangle below by drawing in the two missing lines.



SCORE
(Go on to the next page)

33. Jug A, Jug B and Jug C had a total of 1096 ml of apple juice.
There were twice as much apple juice in Jug A than Jug C.
There were 232 ml more apple juice in Jug B than Jug C.
How much apple juice was there in Jug C?

Answer: _____ ml

34. Evan bought a total of 20 chicken pies and curry puffs for $56. Each curry puff cost $2 and each chicken pie cost $4. How many chicken pies did he buy?

Answer: _____

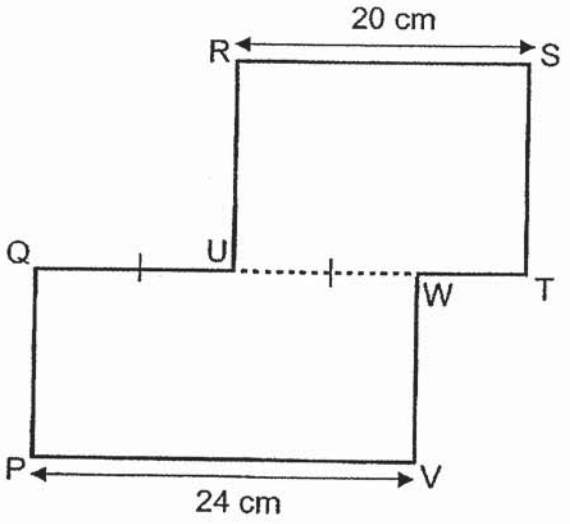
35. The cost of a blouse and a dress is $41.
The cost of 4 similar blouses and 3 similar dress is $140.
Find the cost of a blouse.

Answer: $ _____

SCORE
(Go on to the next page)

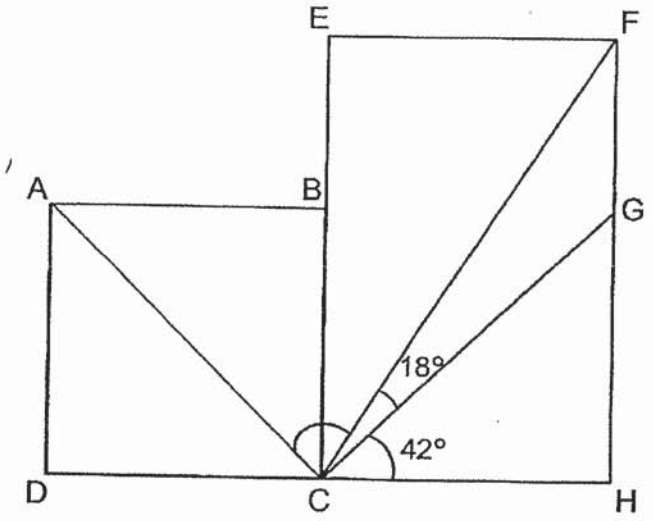
36. The figure is made up of two rectangles, RSTU and QWVP.
RS = 20 cm, PV = 24 cm and QU = UW. Find the length of WT.

Do not write in this space.



Answer: _____ cm

37. ABCD is a square and EFHC is a rectangle. ∠FCG = 18° and ∠GCH = 42°.
Find ∠ACF.



Answer: _____ °

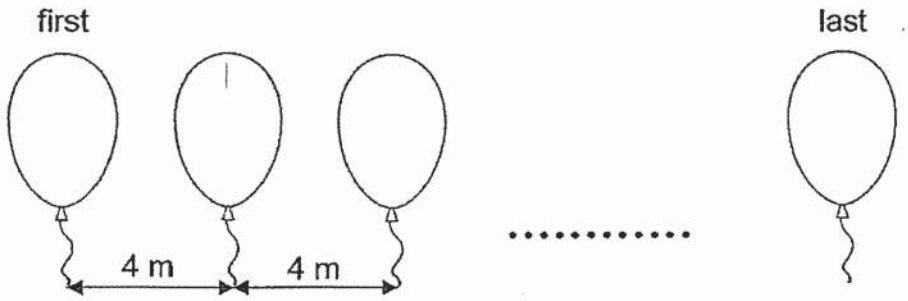
SCORE
(Go on to the next page)

38. John has 3 times as many stamps as Peter. If John gives Peter 40 stamps, he will have the same number of stamps as Peter. How many stamps do John and Peter have altogether?

Do not write in this space.

Answer: _____

39. Some balloons are tied to a fence. They are 4 m apart from each other as shown below. The fence is 32 m long. How many balloons are tied to the fence?



Answer: _____

40. Lisa had 788 more beads than James. After Lisa gave away 68 beads, she had 4 times as many beads as James. How many beads did James have?

Answer: _____

SCORE
(Go on to the next page)

Section C (5 x 4 = 20 marks)

Work out the answers for each of the following questions. All workings must be shown clearly in the space provided.

Do not write in this space.

41. Timothy has 49 boxes of stickers.
There are 35 stickers in each box.
He repacks all the stickers into packets of 8 stickers each.

(a) How many packets, each containing 8 stickers, can Timothy get?

(b) How many stickers are left unpacked?

Answer: (a) _____ [2]

(b) _____ [2]

SCORE
(Go on to the next page)

42. Bernard had 1360 marbles and Ronald had 4970 marbles.
Ronald gave some marbles to Bernard.
In the end, Bernard had twice as many marbles as Ronald.

(a) How many marbles did Ronald have in the end?

(b) How many marbles did Ronald give Bernard?

Do not write in this space.

Answer:(a)_____ [2]

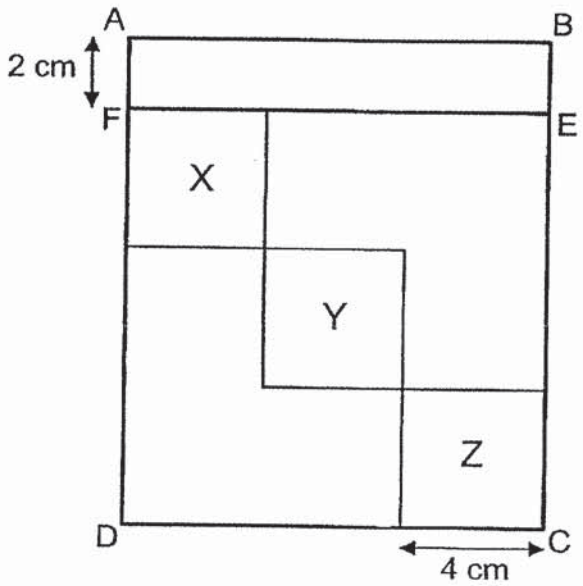
(b)_____ [2]

SCORE
(Go on to the next page)

43. In the figure below, ABEF is a rectangle and FECD is a square.
X, Y and Z are 3 identical squares inside square FECD.
AF is 2 cm and the side of square Z is 4 cm.

(a) Find the length of AD.

(b) Find the area of square FECD.



Do not write in this space.

Answer:(a)_____ [2]

(b)_____ [2]

SCORE
(Go on to the next page)

44. George made a pattern using toothpicks. The first 3 figures are shown below.

Do not write in this space.

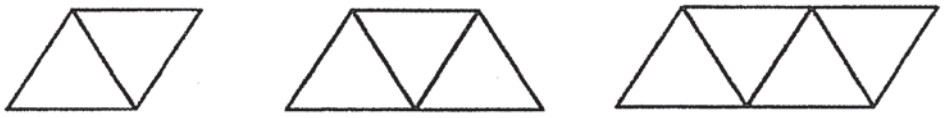


Figure 1 Figure 2 Figure 3

Figure	Number of toothpicks used
1	5
2	7
3	9
⋮	⋮

(a) How many toothpicks did George use for **Figure 10**?

(b) Which figure did George use **151** toothpicks to make?

Show your workings clearly below.

Answer: (a) _____ [2]

(b) Figure _____ [2]

SCORE
(Go on to the next page)

45. Paul, Zach and Quentin saved $1016 in total. Zach saved $85. Quentin saved 3 times as much as the total saved by Paul and Zach. How much did Paul save?

Do not write in this space.

Answer: _____ [4]

END OF PAPER

SCORE

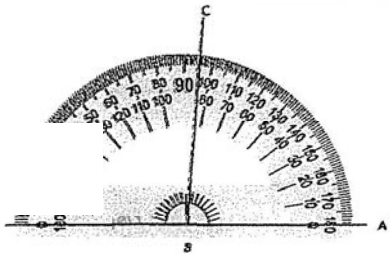
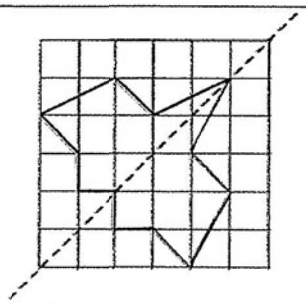
ANSWER KEY

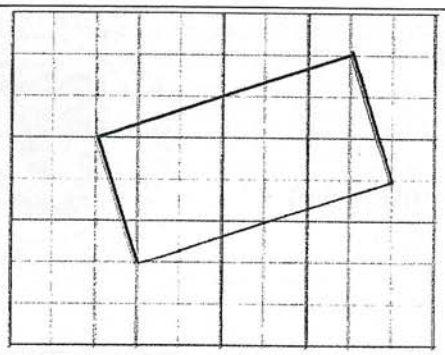
YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : MARIS STELLA HIGH SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM : SA1

PAPER ONE : BOOKLET A

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

PAPER ONE : BOOKLET B

Q21	47 604
Q22	14 760
Q23	(7 x 8) – (3 x 9) = 56 – 27 = 29
Q24	36
Q25	(a) True (b) False
Q26	20 648
Q27	\$3296 x 3 = \$9888 \$9888 ÷ 4 = \$2472
Q28	49
Q29	292 – 26 = 266 266 ÷ 7 = 38
Q30	
Q31	

Q32	
Q33	A : B : C → 2u : 1u + 232 : 1u 1096 – 232 = 864 864 ÷ 4 = 216 Answer : 216ml
Q34	Assume 20 puffs → \$2 x 20 = \$40 Diff cost btw Evan and 20 puffs→ \$56 – \$40 = \$16 Diff btw pies and puffs →\$4 – \$2 = \$2 No of pie Evan bought → \$16 ÷ \$2 = 8 Answer: 8 pies
Q35	1B + 1D = \$41 3B + 3D = \$41 x 3 = \$123 4B + 3D = \$140 1B = \$140 – \$123 = \$17 Answer : \$17
Q36	UW = 24 ÷ 2 = 12 WT = 20 – 12 = 8cm
Q37	<ECF = 90 – 18 – 42 = 30 <ACF = 30 + 45 = 75
Q38	1u → 40 4u → 40 x 4 = 160
Q39	32 ÷ 4 = 8 8 + 1 = 9
Q40	Diff between Lisa and James → 788 – 68 = 720 Beads James have → 720 ÷ 3 = 240
Q41	49 x 35 = 1715 1715 ÷ 8 = 214 R 3 (a) 214 (b) 3
Q42	Total → 4970 + 1360 = 6330 Divide to 3u → 6330 ÷ 3 = 2110 (a) Ronald have <u>2110</u> marbles. 4970 – 2110 = 2860 (b) Ronald give <u>2860</u> marbles.

Q43	FD = 4 x 3 =12 AD = 12 + 2 = 14 (a) <u>14 cm</u> 12 x 12 = 144 (b) <u>144cm^2</u>
Q44	10 x 2 = 20 20 + 3 = 23 (a) 23 151 – 3 = 148 148 ÷ 2 = 74 (b) Figure 74
Q45	Z → 85 P : Z : Q → P : 85 : 3P + (3 x 85) 85 x 4 = 340 1016 – 340 = 676 4P → 676 ÷ 4 = 169 Answer : $169

3
3rd D.