MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 1

Primary 3 MATHEMATICS

10 MAY 2016

BOOKLET A

17 questions

30 marks

Total time for Booklets A and B: 1 h 45 min

NAME :_____(   )

CLASS : PRIMARY 3 _____

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

SECTION A: 30 marks

Questions 1 to 4 carry 1 mark each. Questions 5 to 17 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.
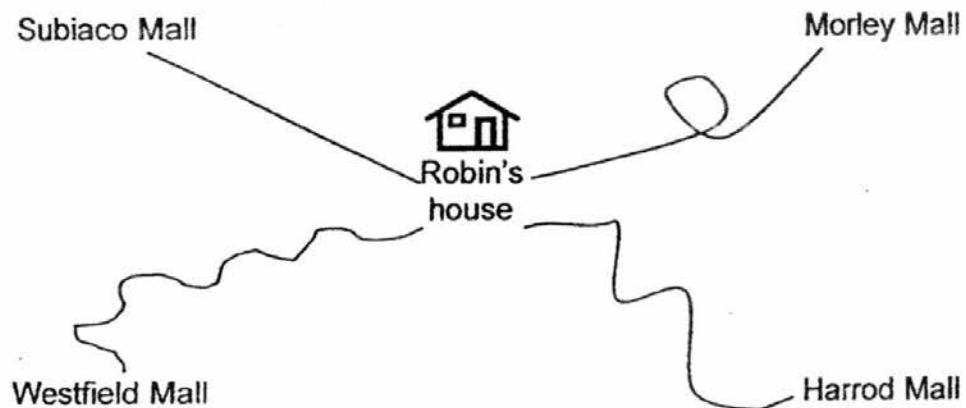
1.   3400 has the same value as _____.

    (1)   34 ones

    (2)   34 tens

    (3)   34 hundreds

    (4)   34 thousands

2.   3208 is the same as _____.

    (1)   300 + 20 + 8

    (2)   300 + 200 + 8

    (3)   3000 + 20 + 8

    (4)   3000 + 200 + 8

3.   Look at the map below. It shows the paths to different malls near Robin's house. The mall nearest to Robin's house is _____.

    (1)   Morley Mall

    (2)   Harrod Mall

    (3)   Subiaco Mall

    (4)   Westfield Mall

1

4.   _____ + 1596 = 5002

    (1)   3406

    (2)   4516

    (3)   4594

    (4)   6598

5.   The product of 128 and 8 is _____.

    (1)   16

    (2)   120

    (3)   136

    (4)   1024

6.   What is the remainder when 376 is divided by 7?

    (1)   6

    (2)   5

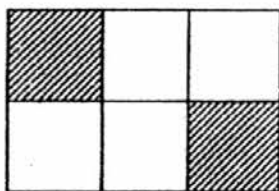   (3)   3

    (4)   4

7.

The time shown on the clock is _____.

    (1)   10 minutes to 6

    (2)   5 minutes past 10

    (3)   25 minutes to 11

    (4)   25 minutes past 10

8.   42 = 5 groups of 6 + _____ groups of 6

(1)   6

(2)   2

(3)   7

(4)   12

9.   The figure below is made up of identical squares.


What fraction of the figure is shaded?

(1) $\frac{2}{3}$

(2) $\frac{2}{4}$

(3) $\frac{2}{5}$

(4) $\frac{2}{6}$

10.   Mrs Smith has 322 chocolate bars.

She puts 8 chocolate bars into each goodie bag.

What is the smallest number of goodie bags she will need to contain all the chocolate bars?

(1)   41

(2)   40

(3)   5

(4)   4

3

11. Elsa needs $2.50 to buy a plate of chicken rice.

The picture below shows the total amount of money in her purse.

How much more does she need to pay for the plate of chicken rice?

    (1)   one 20¢ coin

    (2)   two 20¢ coins

    (3)   three 20¢ coins

    (4)   one 50¢ coins

12. String A is longer than String B.

String C is the same length as String B.

String D is longer than String A.

Which is the longest string?

    (1)   A

    (2)   B

    (3)   C

    (4)   D

13. When a number is divided by 7 or 9, there is a remainder of 2.

What is this number?

    (1)   51

    (2)   61

    (3)   65

    (4)   83

14. Look at the picture carefully.
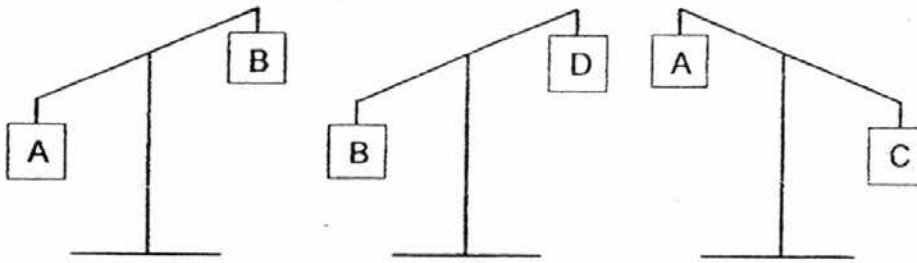
Which object is the heaviest?

(1) A

(2) B

(3) C

(4) D

15. 224 + 4 = _____ x 8

(1) 7

(2) 8

(3) 55

(4) 56

16. Harrison has some 10¢ coins and 50¢ coins in his wallet.

All the coins add up to $2.

He has exactly 8 coins.

How many 10¢ coins does he have?

(1) 8

(2) 5

(3) 3

(4) 4

17. Mrs Sim baked some muffins and packed them into boxes for her friends.
Each box can hold 6 chocolate muffins and 4 banana muffins.
She packed a total of 48 chocolate muffins.
How many banana muffins did she pack altogether?

(1)   8
(2)   12
(3)   24
(4)   32

End of Booklet A

Go on to Booklet B

MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 1

Primary 3 MATHEMATICS

10 May 2016

BOOKLET B

23 questions

50 marks

Total time for Booklets A and B: 1 h 45 min

NAME : _____ ( )

CLASS : PRIMARY 3 _____

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

MARKS OBTAINED :

BOOKLET A: _____ / 30

BOOKLET B: _____ / 50

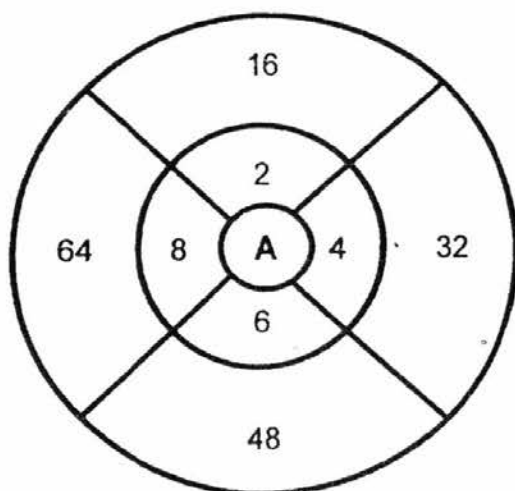TOTAL : _____ / 80

Parent's Signature: _____

Questions 18 to 21 carry 1 mark each. Questions 22 to 35 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the blanks provided. For questions which require units, give your answers in the units stated.

18. In 2375, the value of the digit **3** is _____.
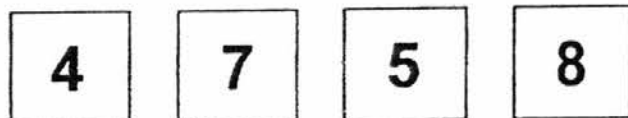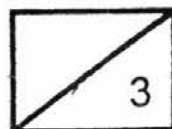
Answer: _____

19.

The numbers in the diagram above are linked in some way.
Find the value of A.

Answer: _____

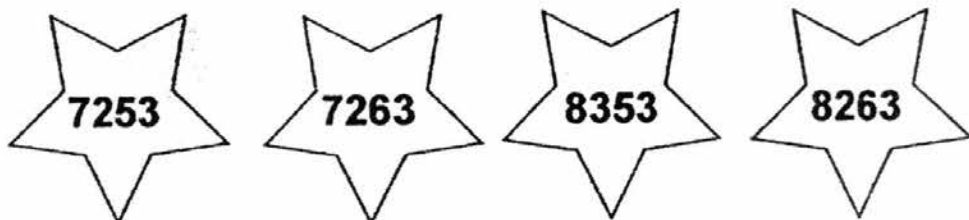20. Use all the digits below to form the smallest 4-digit **odd** number.

| 4 | 7 | 5 | 8 |

Answer: _____

3

21. Arrange the following fractions in order, beginning with the greatest.

$$\frac{2}{10} \quad , \quad \frac{2}{2} \quad , \quad \frac{2}{12} \quad , \quad \frac{2}{5}$$

Answer: _____ , _____ , _____ , _____

(greatest)   (smallest)

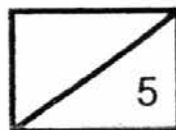22. Look at the numbers below carefully and fill in the values of (a) and (b) in the blanks.

7253   7263   8353   8263

_____(a)_____ is 1100 less than ___(b)___ .

Answer: (a) _____

(b) _____

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23. Find the quotient and remainder when 625 is divided by 8.
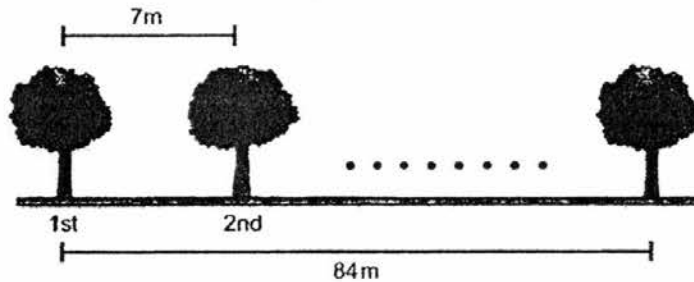
Answer: _____ R _____

5

2

24.

$$\boxed{} - 3285 = 1076$$

What is the missing number in the box?

Answer: _____

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25. Farmer John planted some apple trees along one side of his orchard.
The distance between 2 apple trees is 7 m.
The total distance from the first apple tree to the last is 84 m.
How many apple trees are there along one side of his orchard?

Answer: _____

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26. What is the missing number in the pattern?
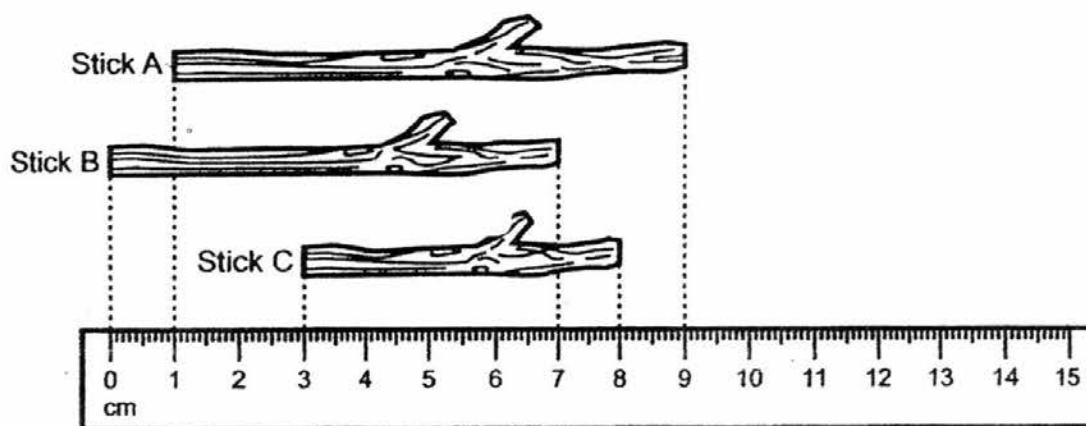
2778 , 3003 , _____ , 3483 , 3738

Answer: _____

27. The sum of two numbers is 500.
    The bigger number is 268.
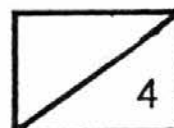   Find the difference between the two numbers.

Answer: _____

28. Look at the picture below.

The total length of Sticks A, B and C is _____.
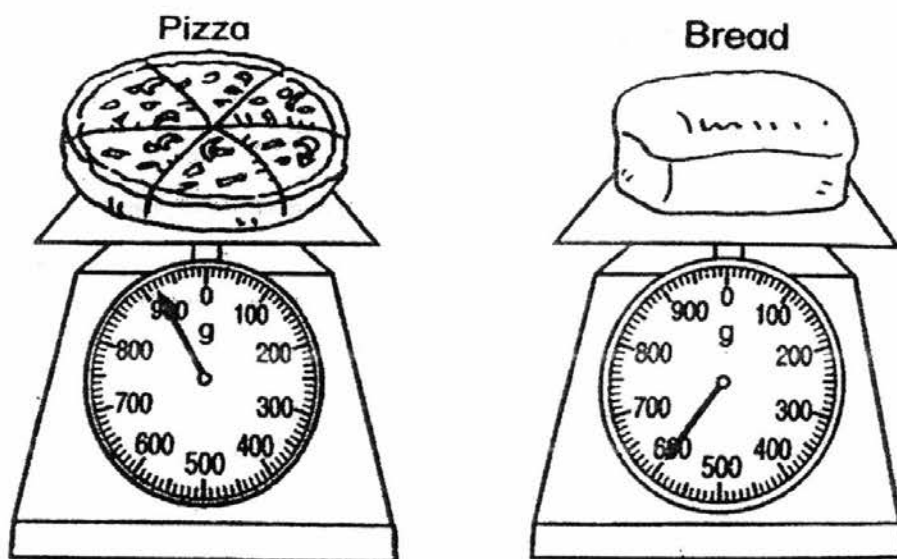
Answer: _____ cm

4

29. Mr Shaw took an evening flight from Kuala Lumpur International Airport to Singapore Changi Airport. The travelling time is 1 hour.
He arrived at Singapore Changi Airport at the time shown on the clock below.

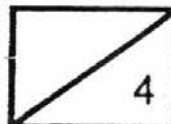What time did Mr Shaw leave Kuala Lumpur International Airport?

Answer: _____ p.m.

30. Look at the picture below.

Pizza   Bread

The loaf of bread is _____ lighter than the pizza.

Answer: _____ g

4

5

31.	What are the missing digits in the boxes?

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    7   0   0  [A]

 - [B]  1   5   8
   ─────────────────
    4   8   4   9
   ─────────────────
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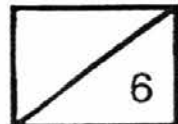
Answer: A : _____

B : _____

32.	At a party, there were 108 children.
	Each child received 6 balloons.
	In the end, there were 4 balloons left.
	How many balloons were there at first?

Answer: _____

33.	Alan has twice the number of marbles as Bobby.
	Cayden has thrice the number of marbles as Alan.
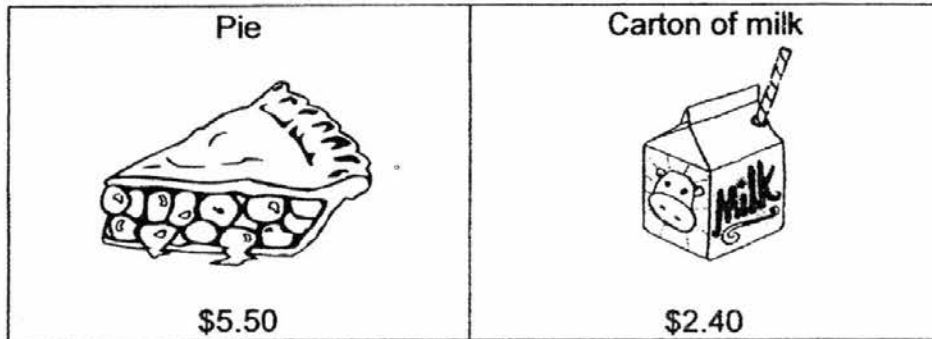	If Cayden has 504 marbles, how many marbles do the three boys have altogether?
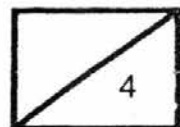
Answer:

34. Lucas and Wayne had an equal number of stamps at first.
Lucas gave Wayne 20 stamps.
Wayne has 245 stamps now.
How many stamps does Lucas have now?

Answer: _____

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35. Sue had $10. She bought a slice of pie and a carton of milk for lunch.
How much money did she have left?

| Pie	Carton of milk
$5.50	$2.40

Answer: $ _____

SECTION C (18 marks)

Questions 36 and 37 carry 3 marks each. Questions 38 to 40 carry 4 marks each. For each of the questions below, show your number statements, workings and final statements clearly. For questions which require units, give your answers in the units stated.

		Working Column

36. Calvin put 324 sea shells equally into 9 containers.

He gave 6 containers of sea shells to Bernard.

How many sea shells did Bernard receive?

Answer: _____

3
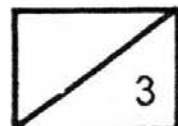
37. A dining table cost $155 more than a chair.

   Mrs Watson bought 1 dining table and 4 such chairs for $880.

   How much did each chair cost?

Answer: _____

3
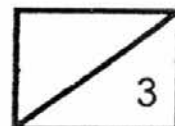
38. Baker Lim baked 478 apple pies.

He packed 6 apple pies into each box and had some left over.

He sold each box of apple pies for $9.

The apple pies that were left over were sold for $3 each.

Baker Lim sold all the apple pies.

How much money did he collect?

Answer: _____

4
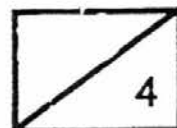
39.   Look at the picture below.
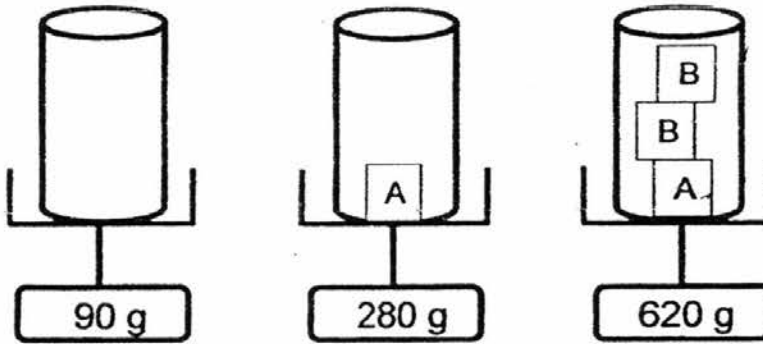
(a)   Find the mass of one piece of Object A.

(b)   Find the mass of one piece of Object B.

Answer: (a) _____ (1)

(b) _____ (3)
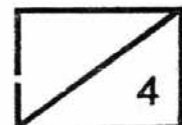
40. In a test, every student had to answer 20 questions.

4 marks were given for every correct answer and 2 marks were taken away for every wrong answer.

Samuel answered all 20 questions and scored 44 marks.

How many questions did he answer correctly?

Guess	Marks for right questions	Marks for wrong questions	Marks scored	Check
1				
2				
3				
4				

Answer: _____

End of Booklet B
Please check your work carefully.

4
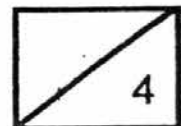
YEAR   :   2016
LEVEL   :   PRIMARY 3
SCHOOL   :   MARIS STELLA HIGH
SUBJECT   :   MATHEMATICS
TERM   :   SA1

Booklet A

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

Booklet B

Q18   300

Q19   8

Q20   4587

Q21 $\frac{2}{2}, \frac{2}{5}, \frac{2}{10}, \frac{2}{12}$

Q22   (a)   7253

               (b)   8353

Q23   78 R 1

Q24   4361

Q25 $84 \div 7 \rightarrow 12$
               $12 + 1 \Rightarrow \underline{13 \text{ trees}}$

Q26   3238

Q27   36

Q28 $8 + 7 \rightarrow 15$
               $15 + 5 \Rightarrow \underline{20 \text{ cm}}$

Q29   6:30 pm

Q30 $920 - 600 \Rightarrow \underline{320 \text{ g}}$

Q31   A : 7

      B : 2

Q32 $108 \times 6 \to 648$
      $648 + 4 \Rightarrow \underline{652 \text{ balloons}}$

Q33   756 marbles

Q34 $245 - 40 \Rightarrow \underline{205 \text{ stamps}}$

Q35 $\$5.50 + \$2.40 \to \$7.90$
      $\$10 - \$7.90 \Rightarrow \underline{\$2.10}$

Q36 $324 \div 9 \to 36$
      $36 \times 6 \Rightarrow \underline{216 \text{ shells}}$

Q37 $\$880 - \$155 = \$725$
      $\$725 \div 5 \Rightarrow \underline{\$145 \text{ per chair}}$

Q38 $478 \div 6 = 79R4$
      $79 \times \$9 = \$711$
      $4 \times \$3 = 12$
      $\$711 + \$12 \Rightarrow \underline{\$723 \text{ collected}}$

Q39   (a) $280 - 90 \Rightarrow \underline{190 \text{ g}}$

      (b) $620 - 280 \to 340$
             $340 \div 2 \Rightarrow \underline{170 \text{ g}}$

Q40

Guess	Marks for right questions	Marks for wrong questions	Marks scored	Check
1	$10 \times 4 = 40$	$10 \times 2 = 20$	$40 - 20 = 20$	✖
2	$12 \times 4 = 48$	$8 \times 2 = 16$	$48 - 16 = 32$	✖
3	$15 \times 4 = 60$	$5 \times 2 = 10$	$60 - 10 = 50$	✖
4	$14 \times 4 = 56$	$6 \times 2 = 12$	44	✔

Ans $\Rightarrow$ Samuel answered <u>14 questions</u> correctly.

End