RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 1
2011

Your Score Out of **100** marks		
	Class	**Level**
Highest score		
Average score		
Parent's Signature		

Name : _____ (   ) Class: P3 (   )

10th MAY 2011   MATHEMATICS Att: 1 h 45 min

SECTION A (40 marks)

Question 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 your answer (1, 2, 3 or 4) on the OAS provided.

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1. The digit 4 in 2040 is in the _____ place.

    (1)   ones
    (2)   tens
    (3)   hundreds
    (4)   thousands   (   )

2. Three thousand, one hundred and five written in figures is
    _____.

    (1)   315
    (2)   3015
    (3)   3105
    (4)   3150   (   )

3. The sum of 3016 and 1085 is _____.
    (1)   4001
    (2)   4091
    (3)   4101
    (4)   4111   (   )

4. Subtract 3724 from 10 000

    (1)   6274
    (2)   6276
    (3)   7276
    (4)   13 724   (   )

5. There are 6 cookies on a plate. How many cookies are there altogether if there are 8 plates?

    (1)   14
    (2)   42
    (3)   48
    (4)   56   (   ).

6. What is the quotient of 4941 ÷ 7?

    (1)   6
    (2)   75
    (3)   705
    (4)   750   (   )

7. John had $100. His father gave him another $50. He spent $13.95 on a box of chocolates. How much money had he left?

    (1) $36.05
    (2) $63.95
    (3) $86.05
    (4) $136.05   (   )

8. Which of the following length is the longest?

    (1)   120 cm
    (2)   1m 30 cm
    (3)   2 m
    (4)   90 cm   (   )

9. A TV program started at 11a.m. and ended at half past 11. How long did the TV program last?

    (1)   30 minutes
    (2)   35 minutes
    (3)   40 minutes
    (4)   45 minutes   (   )

10. Complete the number pattern below.

    2870, 2890, _____, 2930, 2950

    (1)   2810
    (2)   2830
    (3)   2900
    (4)   2910   (   )

11. 7213 – 6508 = _____

    (1)   605
    (2)   615
    (3)   705
    (4)   795   (   )

12. 1000 + 5000 + 287 = _____ + 7

    (1)   6000
    (2)   6200
    (3)   6280
    (4)   6287   (   )

13. 304 = _____ tens + 4 ones

    (1)   30
    (2)   300
    (3)   3
    (4)   304   (   )

14. 7 x 8 = _____ ÷ 4
    (1)   14
    (2)   56
    (3)   204
    (4)   224   (   )

15. What is the sum of money shown below?

    (1) $16.20
    (2) $18.20
    (3) $20.20
    (4) $23.40   (   )

16. Tessa bought a skirt for $29.90 and a blouse for $39.90. She gave the cashier $100. How much change did she get?

    (1) $30.20
    (2) $60.10
    (3) $69.80
    (4) $70.10   (   )

17. ABCD is a square made up of 2 identical rectangles. What fraction of the figure is shaded?

    A _____ B
    (shaded triangle figure)
    C _____ D
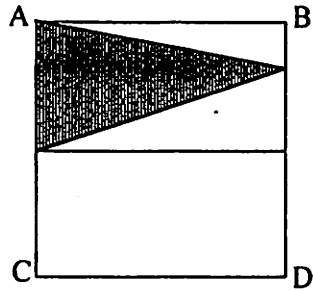
    (1) $\frac{1}{2}$

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

    (3) $\frac{1}{4}$

    (4) $\frac{1}{6}$ (   )

18. Johana had 961 stickers. Her friends Susan and Shanti, each gave her 205 stickers. How many stickers did Johana have at the end?
    (1) 1166
    (2) 1176
    (3) 1361
    (4) 1371   (   )

19. 56 = 5 groups of 8 + _____ groups of 8

    (1) 1
    (2) 2
    (3) 7
    (4) 8   (   )

20. Darren has some 10-cent coins, 20-cent coins and 50-cent coins in his pocket that add up to $2. He has exactly 9 coins. How many 20-cent coins does he have?

(1) 5
(2) 8
(3) 3
(4) 4   (   )

SECTION B (40 marks)

Question 21 to 40 carry 2 marks each. 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. Marks will be awarded for relevant working.

21. Write 7940 in words.

Ans: _____

_____

22. What is the missing number in the box?

9999 = 9000 + 900 + ☐

Ans: _____

23. What number is 100 less than 2099?

Ans: _____

24. Find the value of 380 x 10.

Ans: _____

25. Aini packed 288 marbles equally into 6 bags.
How many marbles were there in each bag?

Ans: _____

26. Ben has 2 fifty-dollar notes, 5 two-dollar notes and 3 twenty-cent coins. How much does he have?

Ans: $ _____

27. What is the length of the pencil shown below?
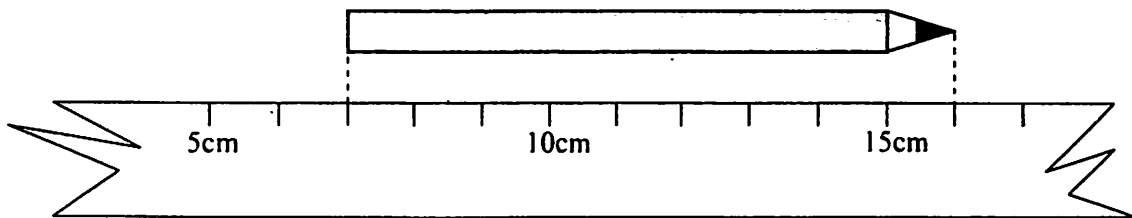
Ans: _____ cm

28. Given the number 7308

a. What is the place value of the digit 7?

Ans: a) _____

b. What does the digit 3 stand for?

Ans: b) _____

29. I am a three-digit number. The sum of all the digits is 17. The digit in the hundreds place is 4 times the digit in the ones place. The digit in the tens place is an odd number. What number am I?

Ans: _____

30. The table below shows the amount John is paid for working in McRaffles Café.

Day	Amount paid in 1 hour
Mon-Fri	$8
Sat & Sun	$16

How much is John paid for working 8 hours on a Saturday?

Ans: $ _____

31. Use the digits below to form the **largest** 4-digit **odd** number.

3   5   8   0

Ans: _____

32
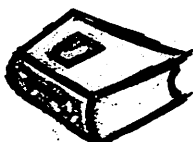
$0.50 $1.20 $1.10 $0.70 $0.30

☐   ☐   ☐   ☐   ☐

Grace bought 3 different items that cost exactly $2.30. Tick the 3 items she bought.

33. The clock below shows the time that Mrs. Lee left her house in the morning. She returned home 6 hours later. What time did she reach home?
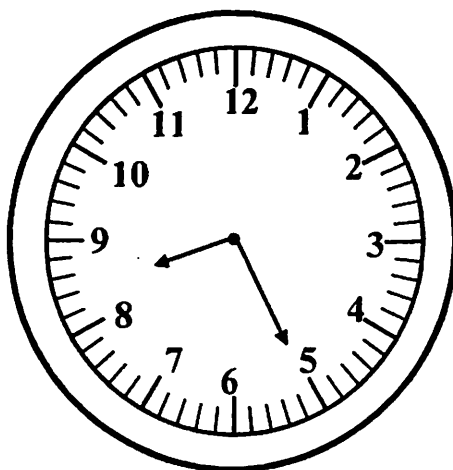
Ans: _____ p.m.

34.
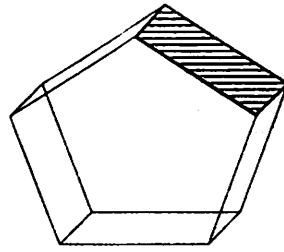
Name the shape of the face that is shaded.

Ans: _____

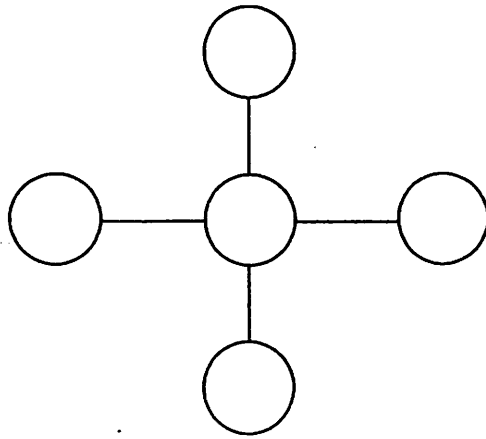35. Complete the pattern by drawing missing figure in the answer blank.

Ans: _____

36. Fill in the blanks with the correct number in the number pattern below.

50, 25, 100, _____A_____, 200, 100, 400, 200

Ans: A=_____

37. Using the numbers 1, 2, 3, 4 and 5, fill the empty circles such that the sum of numbers of each line is 8.

38. Fill in the box with a suitable number.

```
   3  5  4  6
-     5 [ ] 3
   _____
   2  9  5  3
   _____
```

39. A is a digit. What is A?

```
    A  A
 X     A
 _____
    3  9  A
 _____
```

Ans: A =_____

40. Study the table below

Susan	Mary	Jane	Helen	Siti

Each △ stands for 4 stickers

How many stickers do they have altogether?

Ans: _____

SECTION C (20 marks)

For question 41 to 46, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided. All diagrams are not drawn to scale. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

41. 900 people attended Katy Perry's concert. The number of children who attended the concert was twice the number of adults. How many children were there in the concert?
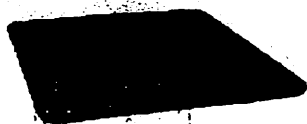
Ans: _____ [3]

42. The entrance ticket to the history museum is shown below.

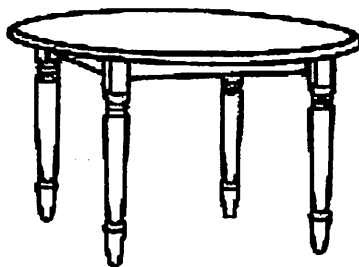|	Cost of 1 ticket
Child	$13
Adult	$20

How much does it cost for Mr and Mrs Lee to visit the museum with their 3 children?

Ans: _____ [3]

43. Mr. Jimmy owns a restaurant with 40 tables. A square table can seat 4 people and a round table can seat 6 people. When the restaurant is full, there are 184 people. How many round tables are there?

square table

round table

Ans: _____ [3]

44. On Day 1, Dennis put $1 in his piggy bank. Everyday he doubles the amount he puts the day before. How many days would it take Dennis to save $15?

Ans: _____ [3]

45.

$$\square + \bigcirc = 120$$

$$\triangle + \bigcirc = 140$$

$$\triangle + \triangle = 90$$

Find the value of $\square + \triangle$

Ans: _____ [4]

46. Siti had 80 erasers for sale. The erasers were sold in sets of 3 and 1 eraser was given free for every set sold. At the end of the day, she found that she had 8 erasers left.
   a) How many sets of erasers did she sell?
   b) Each set of erasers was sold at $2, how much did she collect?

Ans: a)_____ [3]

b)_____ [1]
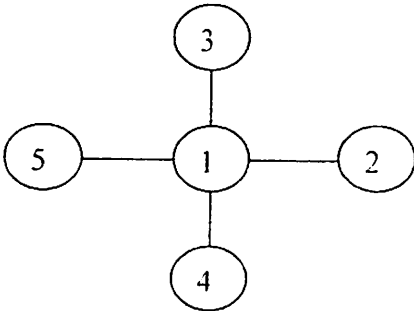
-End of Paper-
Please check your work carefully ☺

,7

RGPS P3 SA1 2011 Answer Key

Section A

1)	2	6)	3	11)	3	16)	1
2)	3	7)	4	12)	3	17)	3
3)	3	8)	3	13)	1	18)	4
4)	2	9)	1	14)	4	19)	2
5)	3	10)	4	15)	2	20)	3

Section B

21) Seven thousand, nine hundred and forty	Each SP mistake: -1m Do not penalise for additional comma.
22) 99	1088 – 3942 = 5030 (M1, A1)
23) 1999	2099 – 100 = 1999 (M1, A1)
24) 3800	A2
25) 48	288 ÷ 6 = 48
26) $110.60	A2
27) 9	16 – 7 = 9 (M1, A1)
28) a. thousands b. 3 hundred(s) / 300/three hundred	
29) 872	A2
30) 128	16 x 8 = 128 (M1A1)
31) 8503	A2
32) pen, pencil, eraser	1.10 + 0.50 + 0.70 = 2.30 M1
33) 2.25 p.m.	A2
34) rectangle	A2
35)	A2
36) 50	100 ÷ 2 or 200 ÷ 4 = 50 M1, A1
37)	A2
38) 9	3546 – 2953 = 593 (M1)

39) 6	A2
40) 72	18 x 4 = 72 (M1, A1)

Section C

Adult	
Children	

41) 900 ÷ 3 = 300   (M1)
     300 x 2 = **600**   (M1, A1)

42) 3 x $13 = $39 M1
     2 x $20 = $40 M1
     $39 + $40 = $79 A1

43)   Method 1 – Guess and Check
       A

No of RT	No of chairs	No of ST	No of chairs	Total no of chairs	
20	20 x 6 = 120	20	20 x 4 = 80	120 + 80 = 200	X
18	18 x 6 = 108	22	22 x 4 = 88	108 + 88 = 196	X
14	14 x 6 = 84	26	26 x 4 = 104	84 + 104 = 188	X
12	12 x 6 = 72	28	28 x 4 = 112	72 + 112 = 184	✓

<u>M1, A1 for the correct start as follows:</u>
M1 for reaching the final step.
A1 for the answer

Method 2
40 x 4 = 160
184 – 160 = 24 M1
24 ÷ 2 = 12   M1,A1

Method 3
40 x 6 = 240
240 – 184 = 56 M1
56 ÷ 2 = 28 M1
40 – 28 = 12   A1

44) Listing Method		
Day	Deposit	Total
1	$1	$1
2	$2	$1 + $2 = $3
3	$4	$3 + $4 = $7
4	$8	$8 + $7 = $15

Ans: Day 4/4th day

Correct start --- M1

Reach final step --- M1

Correct Answer --- A1

45) $90 \div 2 = 45$ M1

$140 - 45 = 95$ M1

$120 - 95 = 25$ M1

$25 + 45 = 70$ A1

46 a) $80 - 8 = 72$ (M1)

  $72 \div 4 = 18$ (M1, A1)

 b) $18 \times 2 = 36$ A1

23