



RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT (2) 2006

Name : _____ Class: P3 _____ Index No: _____

30 Oct 2006 MATHEMATICS

Att: 1 h 45 min

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

SECTION A (20 X 2 = 40 marks)

For each of the questions 1 to 20, four options are given. Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided.

1. Express 6 km in metres.

- 1) 6 m
- 2) 60 m
- 3) 600 m
- 4) 6000 m

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2. Find the sum of 367 and 503.

- 1) 804
- 2) 836
- 3) 860
- 4) 870

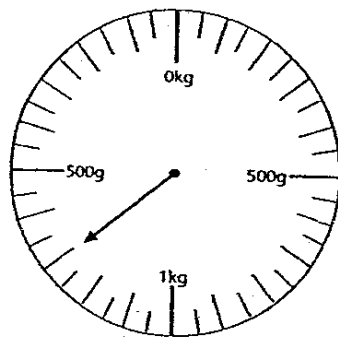
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3. What number is 100 more than 3 thousands, 2 hundreds and 22 tens?

- 1) 3122
- 2) 3320
- 3) 3322
- 4) 3520

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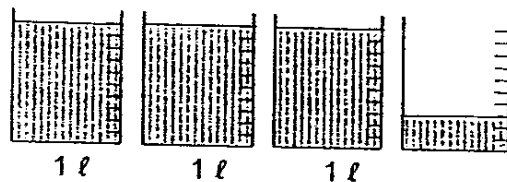
4. What is the scale reading in the diagram shown below?



- 1) 300 g
- 2) 600 g
- 3) 1300 g
- 4) 1600 g

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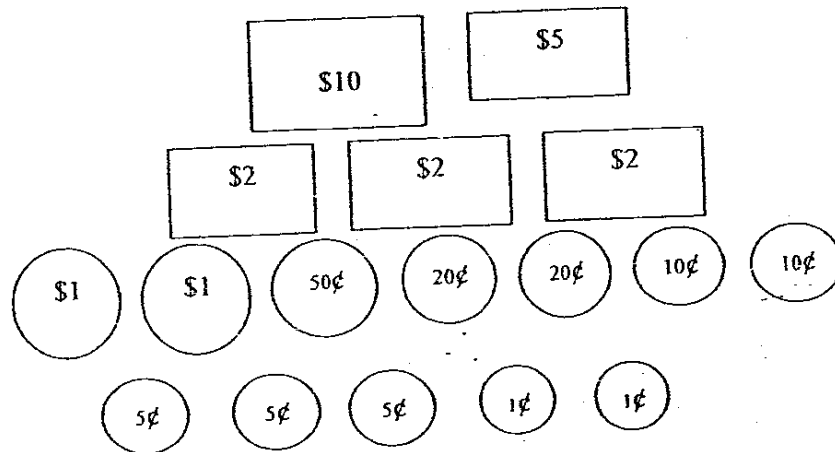
5. The diagrams below show four identical containers. What is the total volume of liquid in the four containers?



- 1) 3 l
- 2) 3 l 3 ml
- 3) 3 l 300 ml
- 4) 3 l 600 ml

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6. What is the total amount of money shown below?



- 1) \$ 24.15
- 2) \$ 24.17
- 3) \$ 24.25
- 4) \$ 24.27

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7. There are _____ quarters in 5 wholes.

- 1) 5
- 2) 10
- 3) 15
- 4) 20

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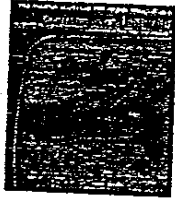
8. Which of the following objects has right angles?

1)



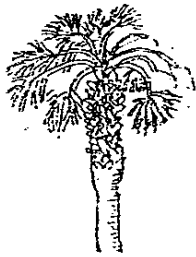
turtle

2)



book

3)



tree

4)



basin

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9. In 1573, the value of the digit 1 is _____ time(s) the value of the digit 5.

1) 1

2) 2

3) 10

4) 20

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10. What is the greatest 4-digit odd number which can be formed with the digits 2, 7, 3 and 8?

1) 8237

2) 8273

3) 8723

4) 8732

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11. Swee Lee had 648 stamps in her collection. Her father gave her 178 stamps and her uncle gave her 93 stamps. How many stamps had she altogether?

1) 271

2) 741

3) 826

4) 919

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12. 10 kg 20 g = _____ g

1) 1020 g

2) 1200 g

3) 10020 g

4) 10200 g

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13. John spent \$12.10 on some candies. He paid the cashier \$20, how much change did he get back?

1) \$ 7.90

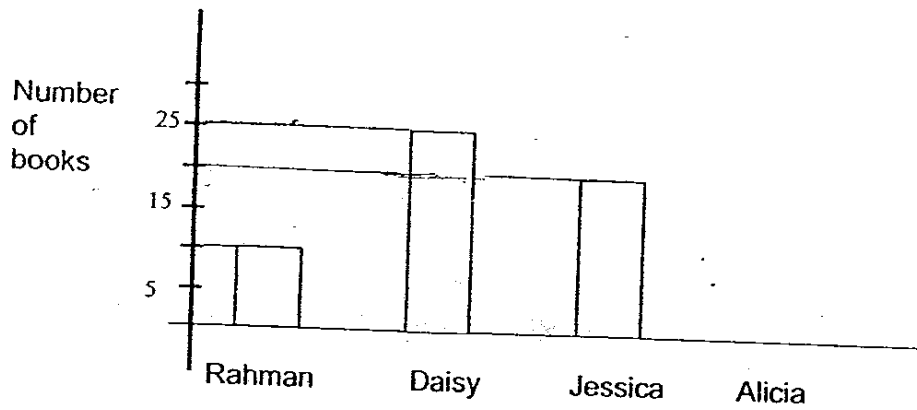
2) \$ 8.10

3) \$ 8.90

4) \$ 32.10

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14. Look at the following graph and answer the question.



The graph shows the number of books the children read in a week. If the number of books Alicia read is $\frac{4}{5}$ of what Daisy had read, what is the total number of books read by the 4 children?

- 1) 5
- 2) 20
- 3) 55
- 4) 75

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15. Which of the following fractions are arranged in ascending order?

~~X~~ $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{8}$

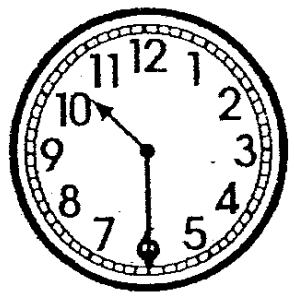
~~X~~ $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{5}{8}$

~~X~~ $\frac{1}{12}, \frac{1}{6}, \frac{2}{9}, \frac{2}{3}$

~~X~~ $\frac{3}{10}, \frac{3}{8}, \frac{1}{4}, \frac{1}{2}$

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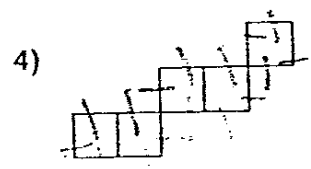
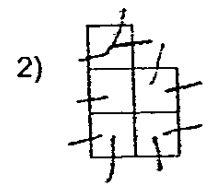
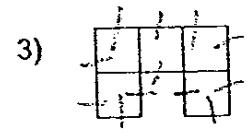
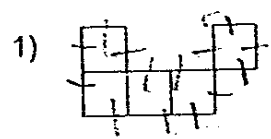
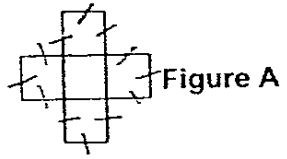
16. Look at the clock face below. Mr Kee left home at the time shown below. However, the clock is slower by 15 minutes compared to the actual time. If Mr Kee took 30 minutes to travel to his office, what was the actual time he arrived at the office?



- 1) 10.15 a.m.
- 2) 10.30 a.m.
- 3) 11.15 a.m.
- 4) 11.30 a.m.

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17. Which of the figures below has the same perimeter as figure A?



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18. I am an even number. When I am divided by 9, I have a quotient of 79 with a remainder. The remainder is an odd number between 1 and 5. What am I?

~~A) 710~~

~~B) 712~~

C) 714

~~D) 716~~

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19. Rama left his home for school at 6.30 a.m. He reaches the school at 7.10 a.m. How long does he take to travel to school?

1) 20 min

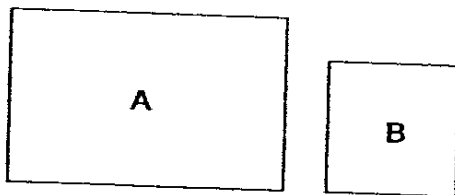
2) 30 min

3) 40 min

4) 50 min

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20.



The area of rectangle A is 243 m^2 . It is thrice the area of square B. What is the perimeter of the square B?

1) 9 m

2) 18 m

3) 36 m

4) 364 m

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SECTION B (20 X 2 = 40 marks)

Write the correct answer for each sum in the boxes provided.

21. Form the largest possible 4-digit odd number with the digits 0, 4, 8 and 9.

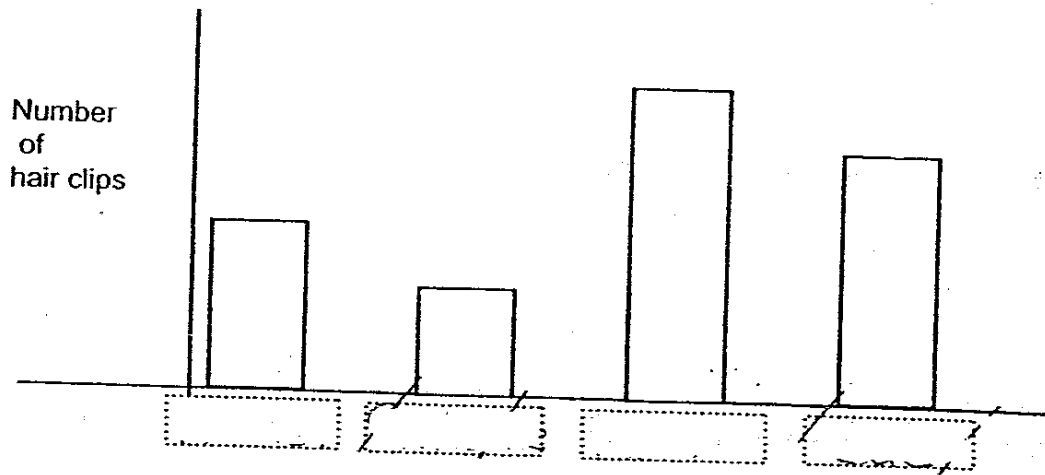
22. What is the difference between 764 and 487?

23. $247 \times 5 =$ _____

24. Arrange these fractions in descending order.

$$\frac{3}{4}, \frac{3}{8}, \frac{2}{3}, \frac{1}{2}$$

25. Read the following description and fill in the boxes with the correct names.

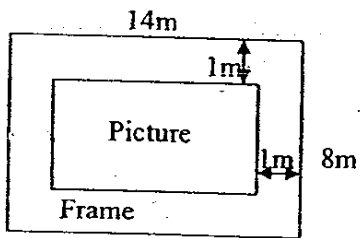


Patricia has more hair clips than Geraldine. Sue has more hair clips than Geraldine and Rachel but not the most number of hair clips. Geraldine has the least number of hair clips.

26. Express 176 minutes in hours and minutes.

h . min

27. The picture has a frame of width 1m surrounding it. Find the area of the picture



m²

28. What is 2 tens less than 9 thousands and 13 tens?

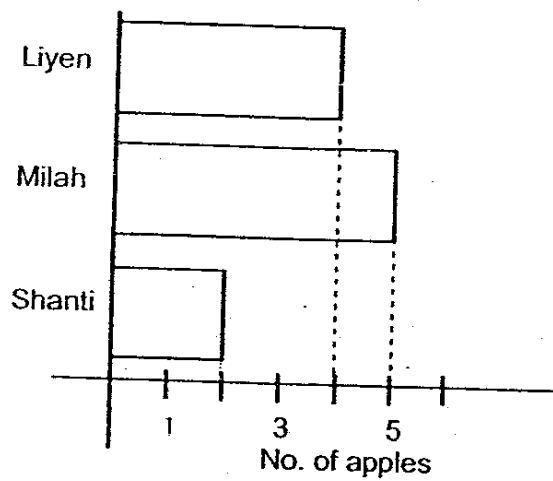
29. Express 675 cm in m and cm.

30. Aunty Nancy bought 3 packets of rice. Each packet of rice had a mass of 1500 g. She used 2 kg 45 g of the rice in 14 days.
How many grams of rice had she left?

31. 26015 ml = _____ l _____ ml

32. Tommy has 2005¢ of coins in his piggy bank. What is the maximum number of 20¢ coins he can exchange for with \$20.05?

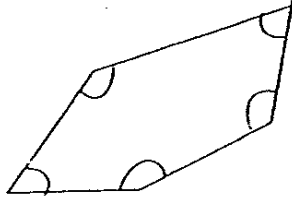
33. Use the following graph to answer the question below.



The 3 girls decided to share all the apples equally among themselves.
They threw away 5 apples that were spoilt.
How many apples did each of them receive?

34. Toby divided a chocolate bar into several pieces. He ate $\frac{1}{2}$ of the chocolate bar himself and gave $\frac{1}{4}$ of the chocolate bar to Adrian. Then he gave the rest of the chocolate bar to Peggy. What is the fraction of chocolate bar that was given to Peggy? (Express your answer in its simplest form)

35.



In the above figure, how many angles are bigger than a right angle?

36. Complete the number pattern below

4432, 4303, _____, 4051, 3928, 3807

37. Ali has 768 of stickers. Michelle has 272 stickers while Vacinthy has half of the difference between Ali and Michelle. How many stickers does Vacinthy have?

38. Find the values of "*" and "#".

$$\begin{array}{r}
 3 * \\
 \hline
 * \overline{) 2 \# * } \\
 \underline{- \# 8} \\
 3 * \\
 \underline{- 3 *} \\
 0 0
 \end{array}$$

| | | |
|---|---|--|
| * | = | |
| # | = | |

39. $1050 \text{ ml} + 9 \text{ l } 4 \text{ ml} = \underline{\hspace{2cm}} \text{ ml}$

| |
|----|
| ml |
|----|

40. Given that:

$$\square + \square + \square + \triangle + \triangle = 79$$

$$\square + \square + \triangle + \triangle + \triangle = 71$$

Find the value of:

$$\square + \square + \triangle + \triangle$$

| |
|---|
| $\square + \square + \triangle + \triangle$ |
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SECTION C (20 marks)

**For questions 41 to 46, show your working clearly in the space provided.
The marks for each question are shown in the brackets.**

41. A roll of ribbon is 15 m long.
Alice used 165 cm of the ribbon and Kim used 5 m of the ribbon.
What is the length of the ribbon left? (3 marks)

42. Meili bought a pair of tickets to a movie.
She reached the theater at 7.30 p.m.
The movie started 10 minutes later and lasted 100 minutes.
What time did the movie end? (3 marks)

43. Mrs Lim baked 548 cookies. She gave her neighbour 170 cookies. Later, she baked another batch of 98 cookies. How many cookies had Mrs Lim now? (3 marks)

44. Figure A below is made up of a square and a rectangle. The area of the square is 64 cm^2 . The breadth of the rectangle is half the length of the square. Given that the length of the rectangle is 11 cm, find the perimeter of Figure A. (3 marks)

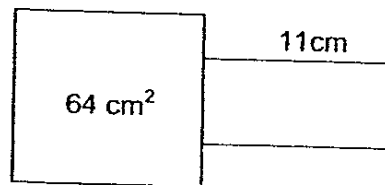


Figure A

45. A duck has 2 legs and a cow has 4 legs.
Given that there are a total of 50 ducks and cows in a farm, and there are 164 legs altogether, how many cows are there in the farm? (4 marks)

46. Ali, Muthu and Peter share a sum of money.
If Ali gives a quarter of his money to Peter, both of them will have an equal amount of money, and Peter would have three times as much money as Muthu. Given that Muthu has \$4, what is the total amount of money shared by the three boys? (4 marks)

End of Paper
Please check your work thoroughly

Setter: Johnson
Haslinda
Junaidah

Answer Sheets
Raffles Girls' Pri 3 SA2 / 2006 Maths

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

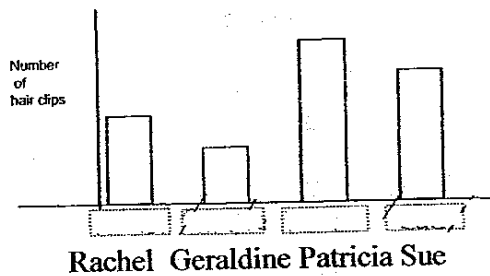
21. 8409

22. $764 - 487 = \underline{277}$

23. $247 \times 5 = \underline{1235}$

24. $\frac{3}{4}, \frac{2}{3}, \frac{1}{2}, \frac{3}{8}$

25.



26. $2 \text{ hrs} = 120 \text{ mins}$
 $176 - 120 \text{ mins} = 56 \text{ mins}$
 $176 \text{ mins} = \underline{2 \text{ hrs } 56 \text{ mins}}$

27. Area = L x B
 $= (14 - 2) \times (8 - 2)$
 $= 12 \times 6$
 $= \underline{72\text{m}^2}$

28. $2 \text{ tens} = 2 \times 10 = 20$
 $9 \text{ thousands } 13 \text{ tens} = 9000 + (13 \times 10)$
 $= 9000 + 130$
 $= 9130 - 20$
 $= \underline{9110}$

29. $675 \div 100 = 6\text{m } 75\text{cm}$

30. $3 \times 1500\text{g} = 4500\text{g}$
 $2\text{kg } 45\text{g} = 2045\text{g}$
 $= (4500 - 2045)\text{g}$
 $= \underline{2455\text{g left}}$

31. $26015\text{ml} \div 1000 = 26\text{l } 15\text{ml}$

32. $2005\text{¢} \div 0.20\text{¢} = \underline{100} \text{ } 20\text{¢ coins}$

33. Liyen = 4
 Milah = 5
 Shanti = 2
 $(4 + 5 + 2) = 11 - 5 = 6$
 $6 \div 3 = \underline{2 \text{ apples each}}$

34. $\frac{1}{2} - \frac{1}{4} = \frac{1}{4}$
 $\frac{1}{4}$ was given to Peggy

35. 3 angles

$$\begin{aligned} 37. \text{ Ali} &= 768 \\ \text{Michelle} &= 272 \\ \text{Vacinthy} &= (768 - 272) \\ &= 496 \div 2 \\ &= 248 \end{aligned}$$

36. 4432, 4303, 4176, 4051, 3928, 3807

$$\begin{aligned} 38. * &= 6 \\ \# &= 1 \end{aligned}$$

$$\begin{aligned} 39. 1050\text{ml} + 9\ell 4\text{ml} &= 1050\text{ml} + 9004\text{ml} \\ &= 10054\text{ml} \end{aligned}$$

$$\begin{aligned} 40. 3 \text{ squares} + 2 \text{ triangles} &= 79 \\ 6 \text{ squares} + 4 \text{ triangles} &= 158 \\ 2 \text{ squares} + 3 \text{ triangles} &= 71 \\ 6 \text{ squares} + 9 \text{ triangles} &= 213 \\ 5 \text{ triangles} &= 213 - 158 \\ &= 55 \\ 2 \text{ triangles} &= 55 \\ &= 22 \\ 3 \text{ squares} &= 79 - 22 \\ &= 57 \\ 1 \text{ square} &= 19 \\ 2 \text{ units} &= 19 \times 2 \\ &= 38 \\ 38 + 22 &= \underline{60} \end{aligned}$$

$$\begin{aligned} 41. \text{ Alice} &= 165\text{cm} \\ \text{Kim} &= 500\text{cm (5m)} \\ &= 1500\text{cm} - (165 + 500)\text{cm} \\ &= 835\text{cm} \\ &= 8\text{m } 35\text{cm} \end{aligned}$$

8m 35cm ribbon is left.

$$\begin{aligned} 42. 730\text{pm} + 10 &= 740\text{pm} \\ 100\text{min} &= 1 \text{ hr } 40\text{mins} \\ &= 740 + 1\text{hr } 40\text{mins} \\ &= 920\text{om} \\ &= 9.20\text{pm} \end{aligned}$$

The movie end at 9.20pm

$$\begin{aligned} 43. 548 - 170 &= 378 \text{ cookies} \\ &= 378 + 98 \\ &= 476 \text{ cookies} \end{aligned}$$

Mrs Lim has 476 cookies now.

$$\begin{aligned}
 44. \quad & 64\text{cm}^2 \div 8 = 8\text{cm} \\
 & 8\text{cm} \div 2 = 4\text{cm} \\
 & (22 + 4 + 4) = 30\text{cm} \\
 & 8\text{cm} \times 3 = 24\text{cm} \\
 & = 24\text{cm} + 30\text{cm} \\
 & = 54\text{cm}
 \end{aligned}$$

The perimeter of figure A is 54cm

$$\begin{aligned}
 45. \quad & \underline{\text{Duck(2 legs)}} & \underline{\text{Cow(4 legs)}} & = & 164 \text{ legs} \\
 & 18 \times 2 & 32 \times 4 & = & 36 + 128 = 164 \text{ legs}
 \end{aligned}$$

$$\begin{aligned}
 46. \quad & \text{Ali} & = & 3 \text{ units} \times \$4.00 \\
 & \text{Peter} & = & 3 \text{ units} \times \$4.00 \\
 & \text{Muthu} & = & \$4.00 \\
 & & = & \$4 \times 3 = \$12.00 \\
 & & = & \$12 + \$12 = \$24.00 \\
 & & = & \$24 + \$4 = \$28.00
 \end{aligned}$$

The total amounts shared by the 3 boys are \$28.00