Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2013)
PRIMARY 3

MATHEMATICS
BOOKLET A

Friday **25 October 2013** **1 h 45 min**

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 20 questions in this booklet.

Answer ALL questions.

Name:.....( )

Class:.....

Parent's Signature :_____

This question paper consists of 8 printed pages. (Inclusive of cover page)

Section A (20 x 2 marks each)

For each of the following questions, four options are given. Choose the correct answer (1, 2, 3 or 4) and shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. The value of the digit 5 in 9548 is _____.

   (1) 5
   (2) 50
   (3) 500
   (4) 5000

2. What is the smallest odd number that can be formed from the digits 3, 4, 6 and 8?

   (1) 3468
   (2) 3486
   (3) 4683
   (4) 4863

3. 4325 + 35 tens = _____

   (1) 4025
   (2) 4290
   (3) 4360
   (4) 4675

4. What is the difference between 5002 and 469?

   (1) 4533
   (2) 4633
   (3) 5471
   (4) 5643

5. Which of the following is the same as 3 × 7?

   (1) 7 + 7 + 7
   (2) 7 × 7 × 7
   (3) 7 + 3 + 7
   (4) 3 × 3 × 7

6. What is the missing number in the box below?

$3 + 5 + 3 + 5 + 3 + 5 + 3 + 5 = 4 \times \square$

(1) 3
(2) 5
(3) 8
(4) 32

7. Mrs Ong gave out cookies to her 12 friends. Each person received 9 cookies. There was a remainder of 1 cookie. How many cookies did Mrs Ong have at first?

(1) 10
(2) 22
(3) 108
(4) 109

8. Peter bought 80 pens in a bookstore. For every 10 pens he bought, he could get 2 free. How many free pens did he get?

(1) 12
(2) 15
(3) 16
(4) 18

9. 2 teachers and 20 pupils went to a fruit farm for a learning journey. An adult's ticket cost $6 and a child's ticket cost $2 less. What was the total amount spent for all the tickets?

(1) $52
(2) $92
(3) $174
(4) $176

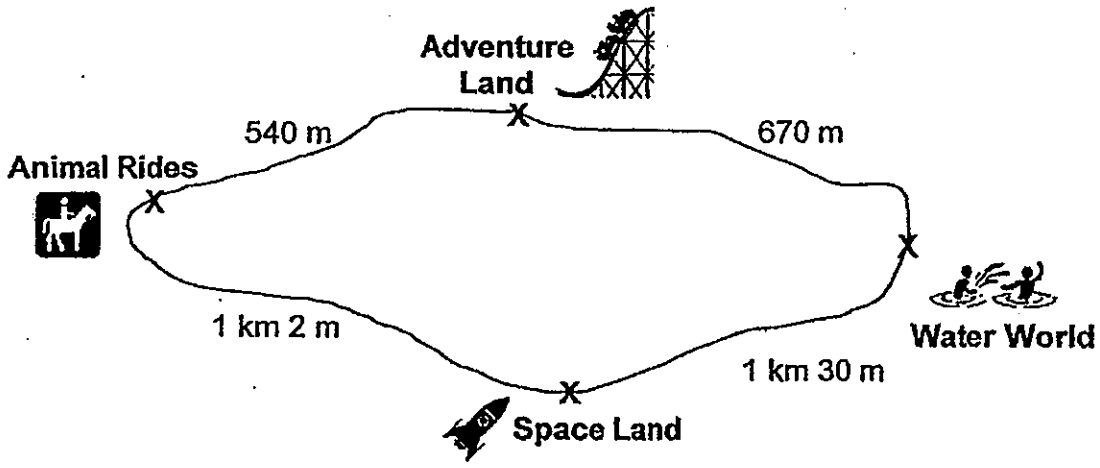
10. The mass of a loaf of bread is about _____.

(1) 6 g
(2) 600 g
(3) 6 kg
(4) 60 kg

11. Nick's brother is 58 cm taller than him. If their total height is 260 cm, how tall is Nick? Give your answers in metres and centimetres.

(1) 1 m 1 cm
(2) 1 m 10 cm
(3) 1 m 88 cm
(4) 2 m 2 cm

12. The following figure shows a map of a theme park. What is the <u>shortest</u> distance from Adventure Land to Space Land?

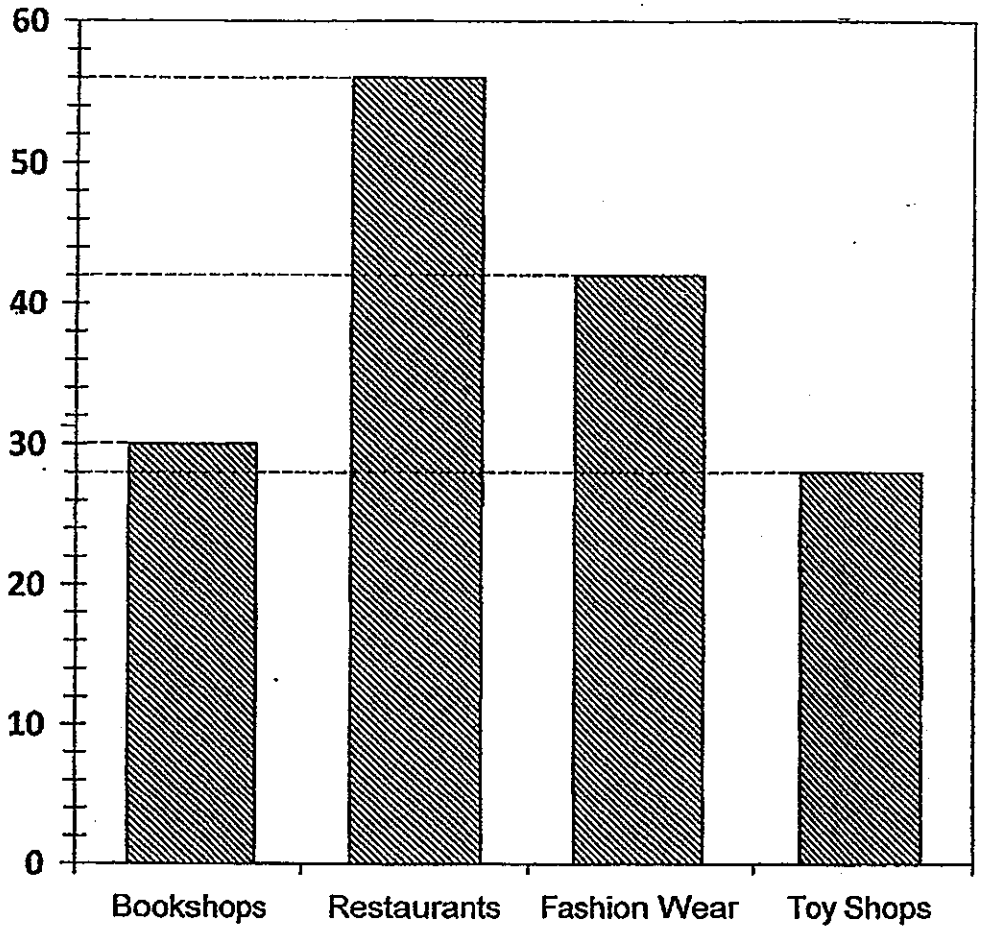


(1) 1 km 542 m
(2) 1 km 700 m
(3) 1 km 740 m
(4) 1 km 970 m

13. There was some water in a pail at first. Mr Ng scooped out 280 mℓ of water to water the plants. He then added 930 mℓ more water. The amount of water left in the pail was 5300 mℓ. How much water was there in the pail at first?

(1) 4ℓ 370 mℓ
(2) 4ℓ 650 mℓ
(3) 5ℓ 950 mℓ
(4) 6ℓ 510 mℓ

The bar graph below shows the types of shops found in Gems Shopping Mall.



14. How many shops are there altogether?

(1) 128
(2) 144
(3) 156
(4) 184

15. Which one of the following fractions is the largest?

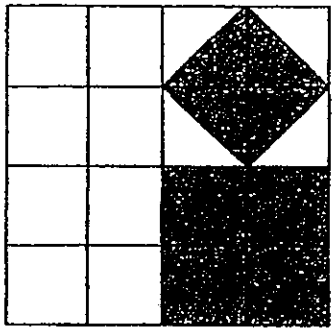
(1) $\frac{5}{6}$

(2) $\frac{5}{8}$

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

(4) $\frac{7}{12}$

16. Study the figure below. What fraction of the figure is shaded?



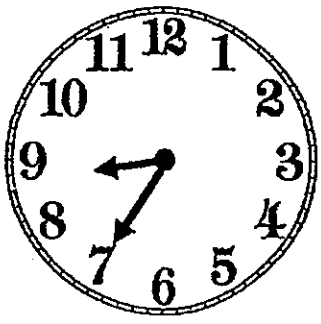
(1) $\frac{1}{2}$

(2) $\frac{4}{7}$

(3) $\frac{3}{8}$

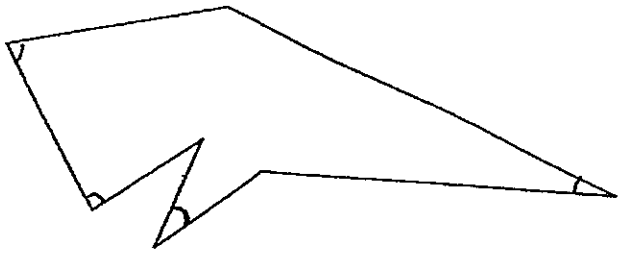
(4) $\frac{5}{6}$

17. What is the time shown on the clock below?



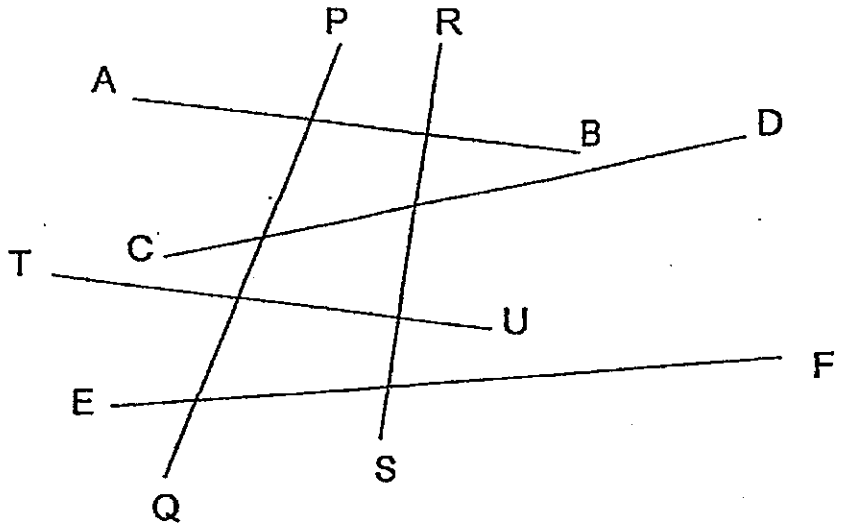
(1) 25 minutes past 8
(2) 25 minutes to 8
(3) 25 minutes past 9
(4) 25 minutes to 9

18. How many angles inside the figure are <u>smaller</u> than a right angle?



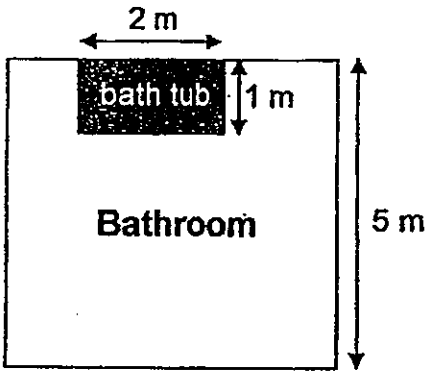
(1) 4
(2) 5
(3) 6
(4) 7

19. Study the figure below. Which line is both parallel to AB and perpendicular to RS?



(1) PQ
(2) CD
(3) TU
(4) EF

20. The following figure shows the floor plan of a square bathroom. The length of each side is 5 m. A bath tub measuring 2 m by 1 m is fixed on the floor in the bathroom. The rest of the floor is covered by tiles. What is the area of the floor covered by tiles?



(1) 22 m^2

(2) 23 m^2

(3) 25 m^2

(4) 27 m^2

END OF BOOKLET A

Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2013)
PRIMARY 3

MATHEMATICS
BOOKLET B

Friday **25 October 2013** **1 h 45 min**

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 25 questions in this booklet.

Answer ALL questions.

Name:.....( )

Class:.....

Section	Possible Marks	Marks Obtained
A	40	
B	40	
C	20	
TOTAL	100	

Parent's Signature :_____

This question paper consists of 11 printed pages. (Inclusive of cover page)

Section B (20 x 2 marks each)
For questions **21 to 40**, show your workings clearly in the space below each question and write your answers in the boxes provided.

21. Complete the number pattern.

5378, 5388, 5398, _____

22. Subtract 598 from 1976

23. Express 2 m 9 cm in centimetres.

cm

24. What is the missing number in the box?

9 x ☐ = 648

25. Peter collected 1425 stamps. He had 386 more stamps than Susan. How many stamps did Susan have?

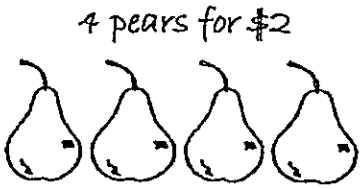
26. At a funfair, a tram can take up to 8 children on each round. Ted is the 45th child in the queue for the tram ride. The first 8 children are on Round 1. Which round will Ted be on?

Round

27. The sum of Number A and Number B is 2875. Number B is 765. How much bigger is Number A than Number B?

28. Samuel has 10 coins that add up to $3.80. Some are 50¢ and the rest are 20¢ coins. How many 50¢ coins does he have?

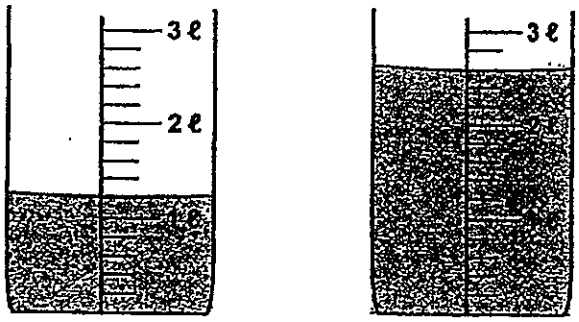
29. 4 pears cost $2.00. Jane bought some pears for $10. How many pears did she buy?



30. Ruth poured 4600 mℓ of lemonade into 4 identical bottles equally. How much lemonade was there in each bottle?
(Give your answer in litres and millilitres)

ℓ mℓ.

31. Beakers A and B were filled with different volume of water as shown in the diagram below.

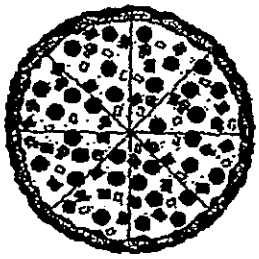


Beaker A **Beaker B**

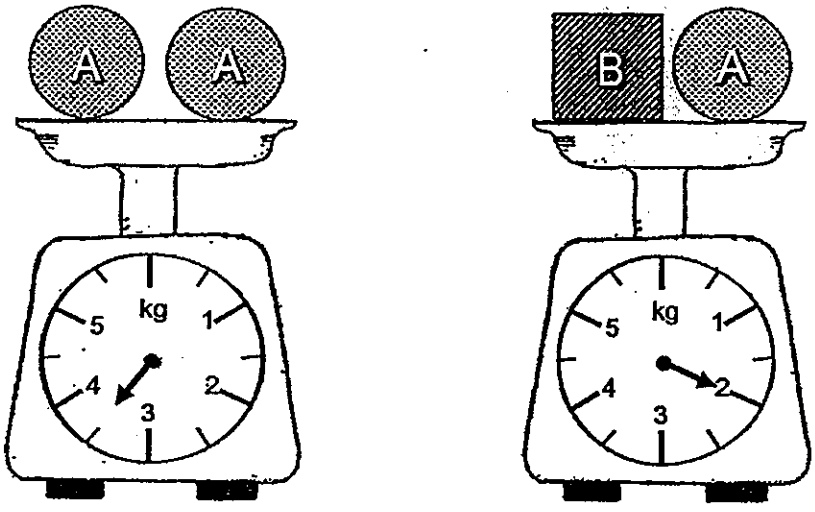
Raj poured water from Beaker A into Beaker B until it reached the full capacity of 3 ℓ. How much water was left in Beaker A?
(Give your answer in mℓ)

mℓ

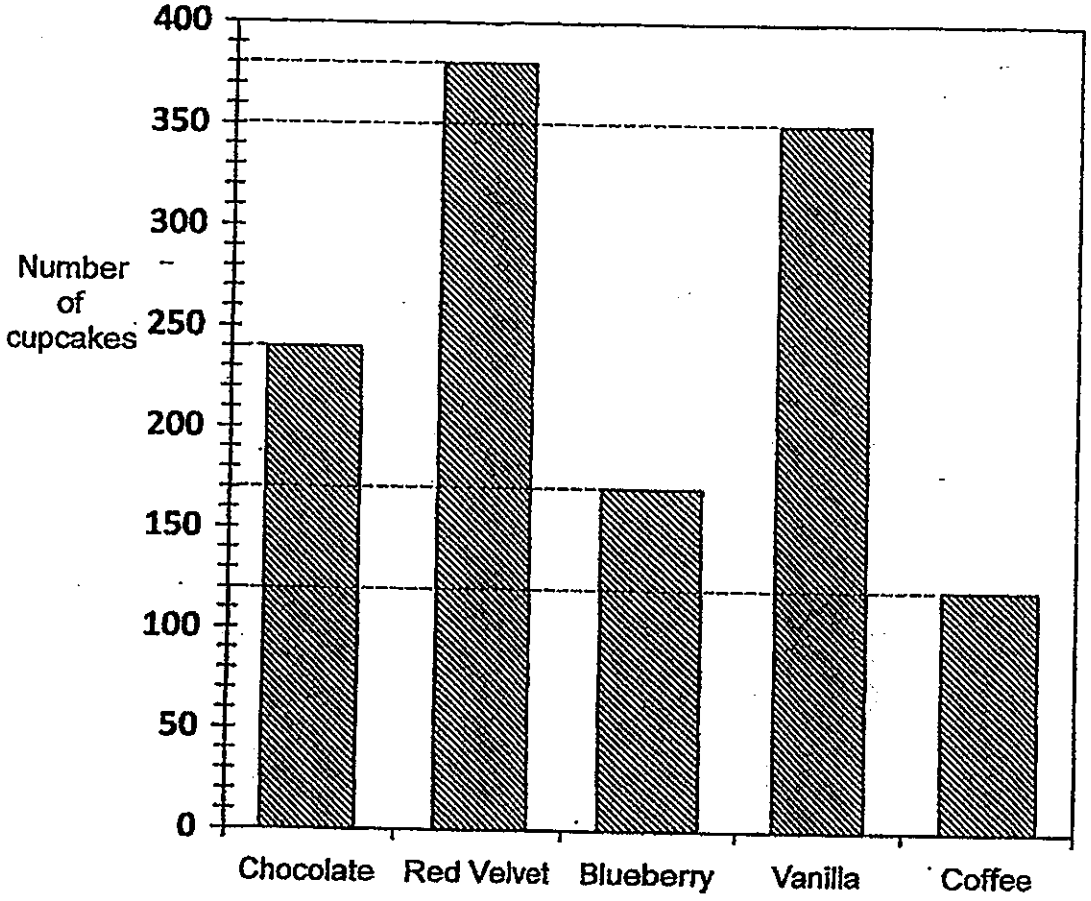
32. Ahmad bought a pizza. He ate $\frac{1}{4}$ of it and gave $\frac{1}{8}$ of it to his sister. What fraction of the pizza was left?



33. Different quantities of Objects A and B are weighed. Their masses are as shown on the weighing scales below. What is the mass of Object B?



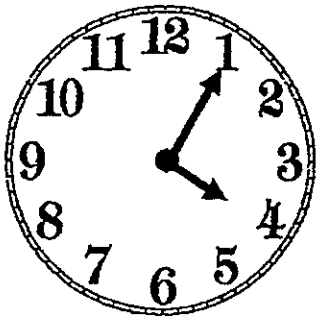
The bar graph below shows the types of cupcakes sold at a bakery in one day. Study the graph and answer questions 34 and 35.



34. How many blueberry cupcakes were sold?

35. What is the difference between the most popular and least popular cupcakes sold?

36. The clock shown below is 10 minutes faster. What is the actual time?

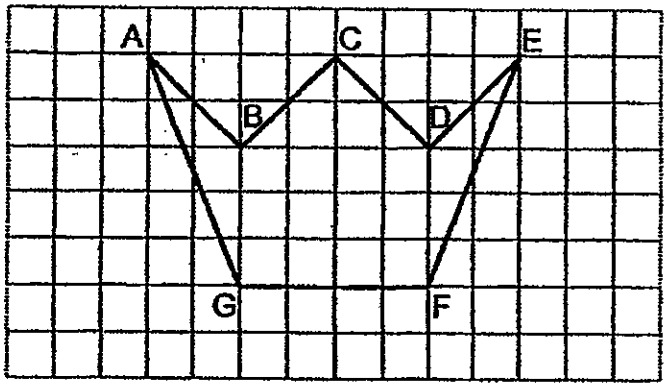


37. The following table shows the television programmes screened on Sunday morning. Ken watched the shows 'Fun Zone' and 'Race Kids'. How much time did he spend watching the 2 programmes?
(Give your answer in hours and minutes.)

Time	Programme
9.00 a.m. - 9.40 a.m.	Fun Zone
9.40 a.m. - 10.15 a.m.	Pirates' Adventure
10.15 a.m. - 11.05 a.m.	Race Kids

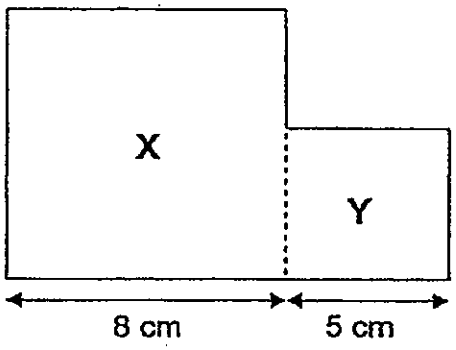
h min

38. In the figure below, which line is parallel to AB?



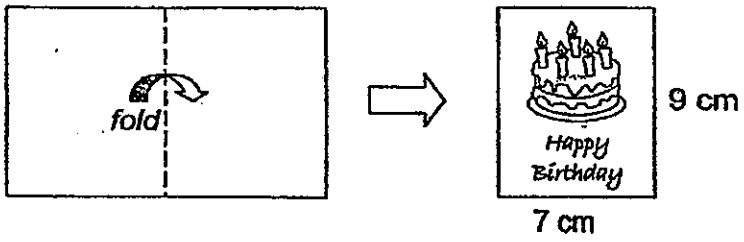
Sub-total:

39. The figure below is made up of 2 squares, X and Y. What is the perimeter of the figure?



cm

40. Tim folded a piece of paper into half to make a birthday card as shown in the figure below. The completed card measured 9 cm by 7 cm. What was the area of the piece of paper before it was folded?



cm^2

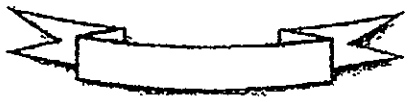
Section C (5 x 4 marks)

Work out the following sums carefully. Show each step of your working clearly as marks will be given for working and relevant statements.

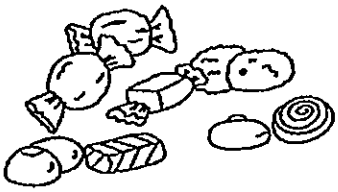
41. Mr Ho had 30 boxes of blue pens. There were 5 blue pens in each box. He also had 72 red pens. How many more blue pens than red pens did he have?

42. In a game, Group A scored 750 points. This was 3 times as many points scored by Group B. Group C scored 900 points. What was the total number of points scored by the 3 groups?

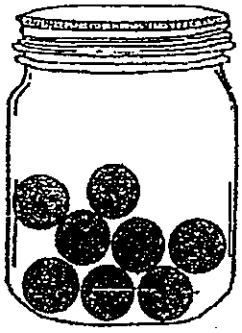
43. The total length of 3 pieces of ribbons is 236 cm. Ribbon A is twice the length of Ribbon B. Ribbon B is 24 cm shorter than Ribbon C. What is the length of Ribbon B?



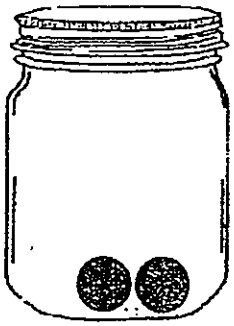
44. Uncle Tom had 82 sweets. After giving 5 sweets to each child at a party, he had 2 sweets left.
    (a) How many children were there at the party?
    (b) If he had given 4 sweets to each child at the party, how many sweets would he have left?



45. The mass of a jar containing 8 chocolate balls was 980 g. When Muthu took out 6 chocolate balls, the mass dropped to 440 g. What was the mass of the empty jar?



980 g



440 g

- End of Booklet B -

Answer Ke

EXAM PAPER 2013

SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)
LEVEL : PRIMARY 3
SUBJECT : MATHEMATICS
TERM : SA2

BOOKLET A

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

Q17	Q18	Q19	Q20
4	1	3	2

BOOKLET B

Q21
5408
Q22
1378
Q24
209
Q24
72
Q25
1039
Q26
Round 6
Q27
1345
Q28
6
Q29
20 Pears
Q30
1ℓ 150mℓ

Q31
800mℓ
Q32
5/8
Q33
250g
Q34
170
Q35
260
Q36
3.55
Q37
1h 30min
Q38
CD
Q39
42cm
Q40
126cm2

Q41
30x5=150
150-72=78
He had 78 more blue pens than red pens.

Q42
750/3=250
750+900+250=1900
The total number of points scored by the three groups is 1900 points.

Q43
236-24=212
212/4=53
The length of ribbon B is 53cm.

Q44
(a) 82/5=16 R2
There were 16 children at the party.
(b) 16x4=64
82-64=16
He would have left 16 sweets.

Q45
980-440=540
540/6=90
2x90=180
440-180=260
The mass of the empty jar is 260g