NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2012

PRIMARY 2

MATHEMATICS

DURATION: 1 HOUR 30 MINUTES

Section A	**/ 40**
Section B	**/ 40**
Section C	**/ 20**

Total:	**/ 100**

Name: _____ ( )

Class: Primary 2 ( )

Date: 8 October 2012

Parent's Signature: _____

Any query on marks awarded should be raised by 25 October 2012. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

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Section A

Questions 1 to 20 carry 2 marks each.
For each question, four options are given.
One of them is the correct answer.
Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets ( ) provided.

(Total: 40 marks)

1. Find the missing number in the number pattern below.

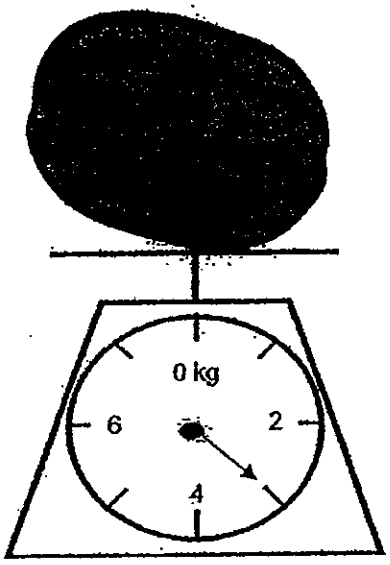
   888, 889, _____, 891, 892

   (1) 887 (2) 899
   (3) 890 (4) 900 ( )

2. The width of the door of your classroom is about _____.

   (1) 9 cm (2) 9 m
   (3) 90 cm (4) 90 m ( )

3. What is the mass of the watermelon?

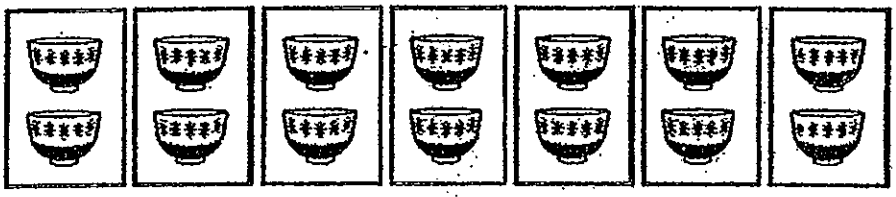


   (1) 1 kg (2) 2 kg
   (3) 3 kg (4) 4 kg ( )

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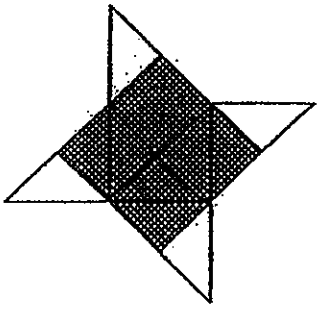
4. Study the diagram carefully.
Which one of the following does not represent the diagram provided correctly?



(1) 7 twos
(2) 7 groups of 2
(3) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$
(4) $2+2+2+2+2+2+2$

( )

5. What fraction of the figure below is shaded?

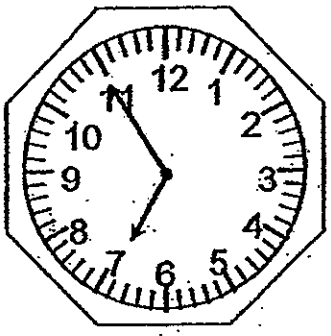


(1) $\frac{5}{12}$
(2) $\frac{5}{9}$
(3) $\frac{6}{10}$
(4) $\frac{8}{12}$

( )

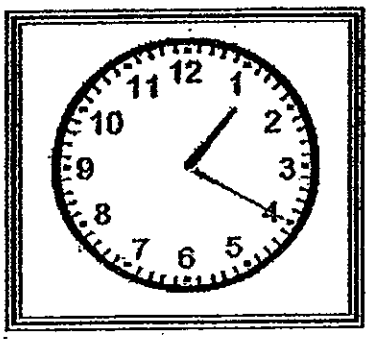
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6. The clock below shows the time that Aisha took her dinner.
What is the time shown on the clock?

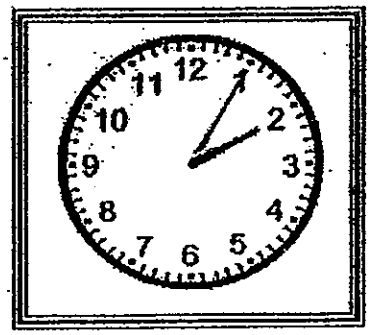


(1) 6.55 a.m. (2) 7.55 a.m.
(3) 6.55 p.m. (4) 7.55 p.m. ( )

7. The first clock below shows the time Kai Nin started her piano lesson.
The second clock shows the time she ended the lesson.
How long did her piano lesson last?



Start



End

(1) 9 minutes (2) 15 minutes
(3) 40 minutes (4) 45 minutes ( )

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8. The picture graph below shows the number of cans each child had collected for a recycling competition.
Study the picture graph below and answer the following question.

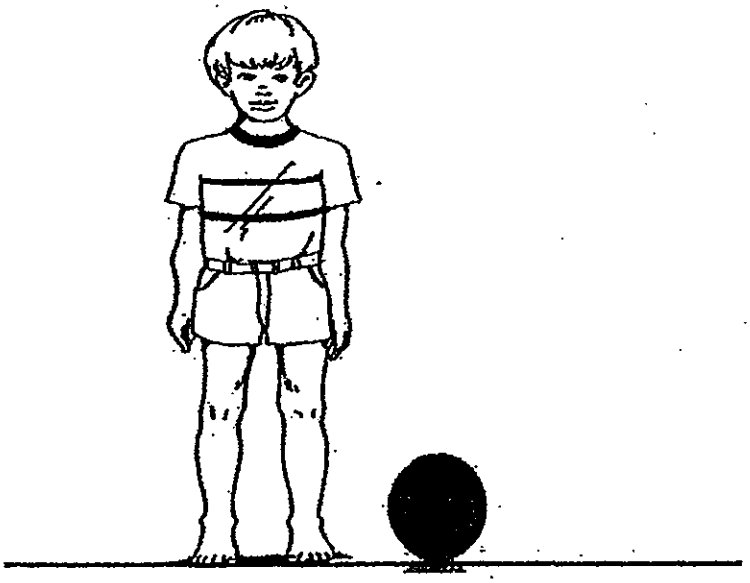
Number of cans collected	
Lee Yah	
Fann	
Mira	
Vanesha	
Each  stands for 4 cans.	

How many cans were collected by Lee Yah and Mira?

(1) 64 (2) 54
(3) 36 (4) 16 ( )

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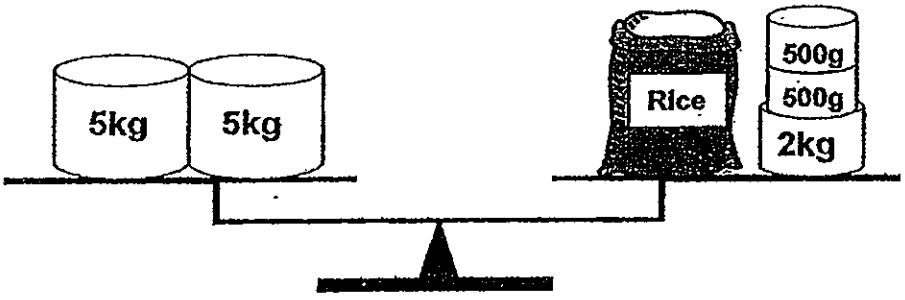
9. The figure below shows a boy standing next to a basketball.



Which one of the following could be the height of the boy?

(1) 11 cm
(2) 11 m
(3) 110 cm
(4) 110 m (1)

10. What is the mass of the sack of rice?



(1) 13 kg
(2) 10 kg
(3) 3 kg
(4) 7 kg ( )

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11. Jerica needs 5 beads to make a ring.
How many beads does she need to make 10 rings?

(1) 5
(2) 2
(3) 15
(4) 50
( )

12. There were 28 pupils in Mrs Tan's class.
She decided to group them into 4 equal groups.
How many pupils were there in each group?

(1) 7
(2) 8
(3) 24
(4) 32
( )

13. Which one of the following is <u>correct</u>?

(1) \$0.30 = 3¢
(2) \$1.50 = 15¢
(3) \$2.08 = 208¢
(4) \$4.01 = 410¢
( )

14. Fahmi cut his birthday cake into 12 equal pieces.
He ate 2 pieces and his guests ate 7 pieces.
What fraction of the birthday cake was eaten?

(1) $\frac{2}{12}$
(2) $\frac{3}{12}$
(3) $\frac{7}{12}$
(4) $\frac{9}{12}$
( )

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15. Evan has 289 storybooks more than Aaron.
Aaron has 316 storybooks.
How many storybooks do they have altogether?

(1) 343 (2) 605
(3) 894 (4) 921 ( )

Nurul has 10 sweets.
She has twice as many sweets as Dillon.
How many sweets does Dillon have?

(1) 5 (2) 8
(3) 12 (4) 20 ( )

17. Mike has 3 photographs.
He has 2 photo albums.
Each of the albums can hold 9 photographs.
How many more photographs does he need to fill the 2 albums completely?

(1) 6 (2) 14
(3) 15 (4) 18 ( )

18. Alice bought a bar of chocolate and a sweet dispenser for $16.
She gave the cashier one $10 note and two $5 notes.
How much change did she receive?

(1) $31 (2) $20
(3) $15 (4) $4 ( )

43

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19. Eric had $14 at first.
After buying a storybook, Eric had the following amount of money left.



How much did the storybook cost?

(1) $18
(2) $10
(3) $9
(4) $4
( )

20. I am a 3-digit number between 600 and 700.
The digit in the ones place is the sum of the digits in the tens and hundreds place.
The difference between the digit in the hundreds place and the digit in the tens place is 3.
What number am I?

(1) 213
(2) 325
(3) 628
(4) 639
( )

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Section B
Questions 21 to 40 carry 2 marks each.
Write your answers in the spaces provided.
Give your answer in the units stated.
Marks will be awarded for relevant working. (Total: 40 marks)

21a) Write 548 in words.

_____

_____

b) Write nine hundred and seven in numerals.

Answer : _____

22. Arrange the following numbers from the smallest to the greatest.

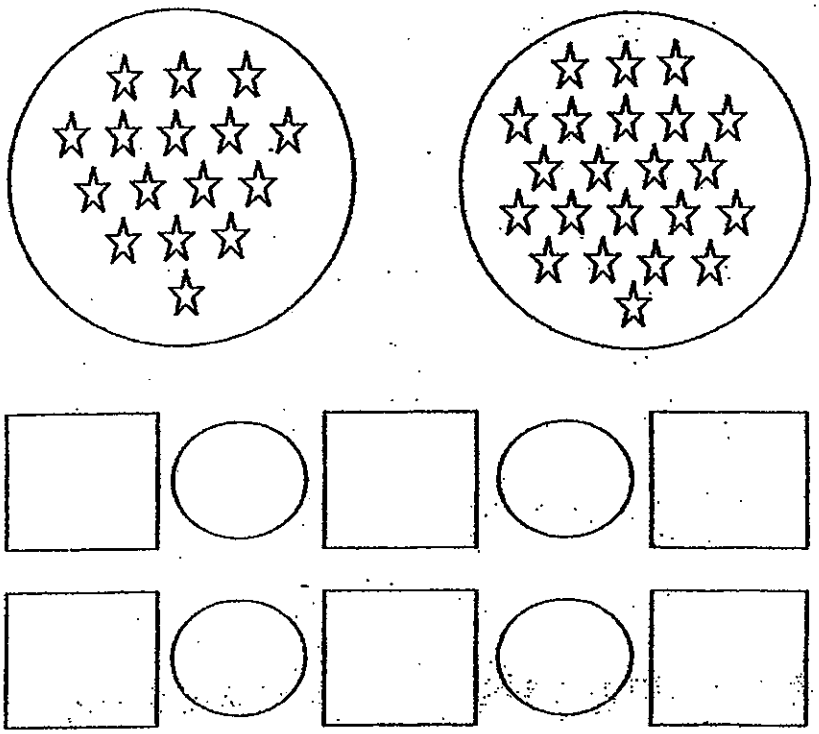
974, 923, 947

_____, _____, _____
(smallest) (greatest)

45

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23. Write two addition number sentences using the picture below.



24. Find the sum of 187 and 295.

Answer : _____

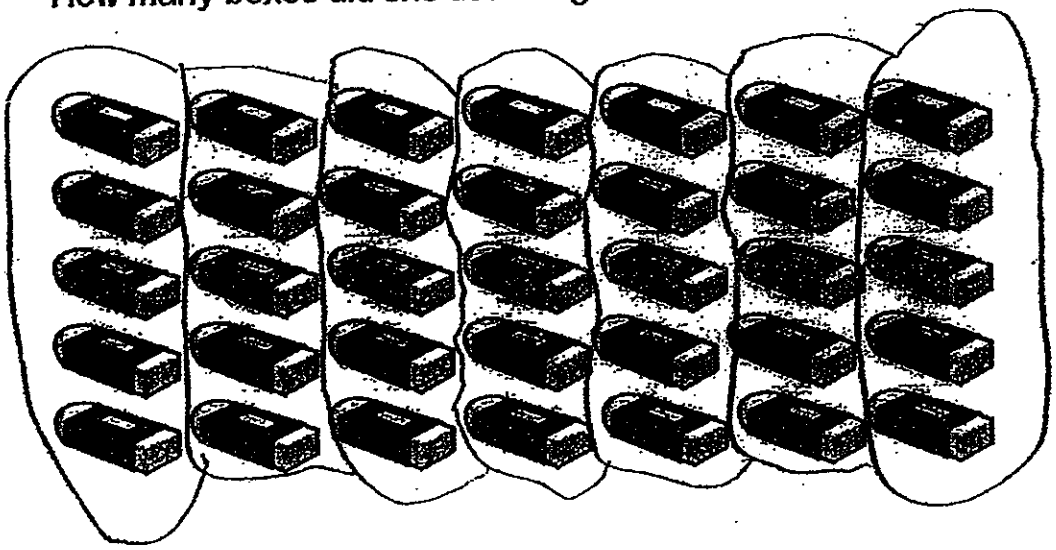
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25. Each ◇ stands for 9 pencils.

How many pencils do ◇◇◇ stand for?

Answer : _____

26. Stephanie packed 35 erasers as shown below into some boxes.
She put 5 erasers into each box.
How many boxes did she use altogether?



Answer : _____

47

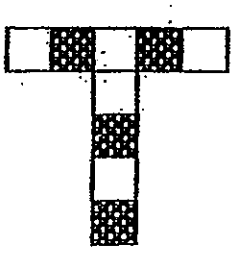
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27. Ally had the following amount of money in her piggy bank. How much money did she have?



Answer : $_____

28. What fraction of the figure is unshaded?



Answer : _____

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29. Mary is 134 cm tall.
Susan is 19 cm taller than Mary but 24 cm shorter than Jane.
How tall is Jane?

Answer : _____ cm

30. Mr Chan had 5 trays of eggs.
There were 9 eggs in each tray.
How many eggs did Mr Chan have altogether?

Answer : _____

31. There were 3 boxes of doughnuts.
Each box contained the same number of doughnuts.
Ali ate 5 doughnuts and there were 19 doughnuts left.
How many doughnuts were there in each box at first?

Answer : _____

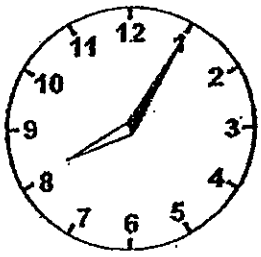
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32. Arrange the following fractions from the greatest to the smallest.

$\frac{1}{10}$	$\frac{1}{7}$	$\frac{1}{4}$	$\frac{1}{8}$

_____ , _____ , _____ , _____
(greatest) (smallest)

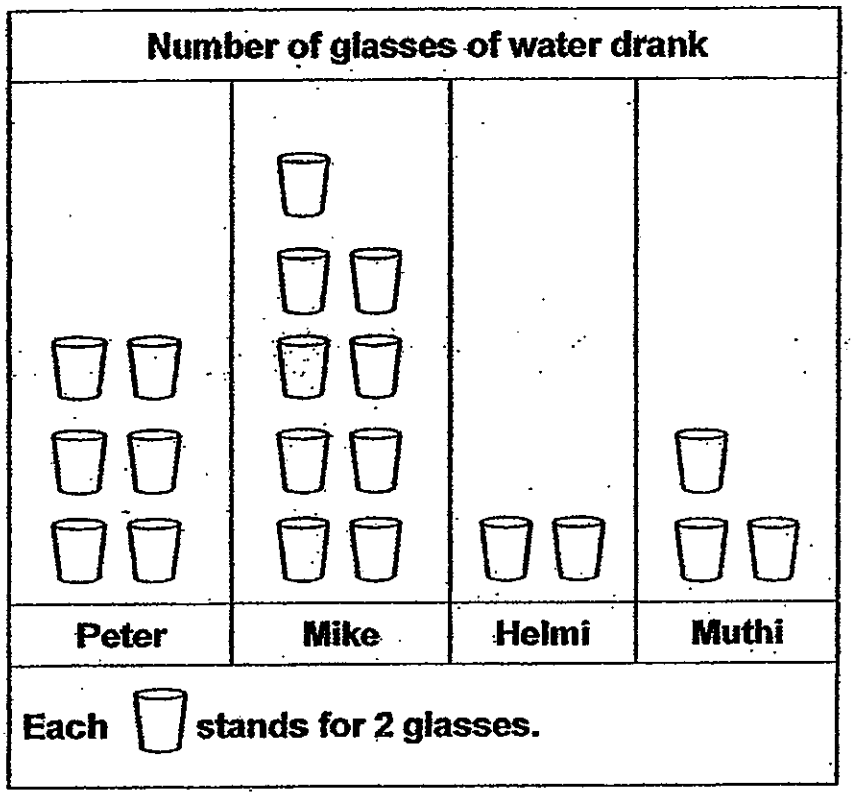
33. Ruby started doing a test at the time shown below.
She completed the test in 40 minutes.
What time did she complete the test?



Answer : _____ a.m.

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34. The picture graph below shows the number of glasses of water each child drank last Monday.
Study the picture graph and answer the following question.



Who drank three times as many glasses of water as Helmi?

Answer : _____

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35. The table below shows the total amount of money that each child had.

Name	Amount of money ($)
Joey	$250
Bala	$437
Colin	?
Total amount of money	**$942**

How much more money did Bala have than Colin?

Answer : $_____

36. Timmy's father bought a pizza that was cut into 10 equal slices.

4 slices of the pizza was put aside for his father.

Timmy took $\frac{4}{10}$ of the pizza and his brother took the remaining pizza.

What fraction of the pizza should Timmy give to his brother so that they would have an equal share of the pizza?

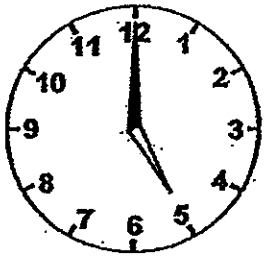
Answer : _____

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37. The mass of an empty tin is 356 g.
The mass of a bag of cookies is 56 g lighter than the mass of an empty tin.
What is the total mass of the empty tin and the mass of the bag of cookies?

Answer : _____ g

38. Mahmu's clock was 1 hour slower than the actual time before he sent it for repair.
The clock showed 5 p.m. before repair.
The repair of the clock took 25 minutes.
Find the actual time shown on the clock after repair.



Before repair

Answer : _____ p.m.

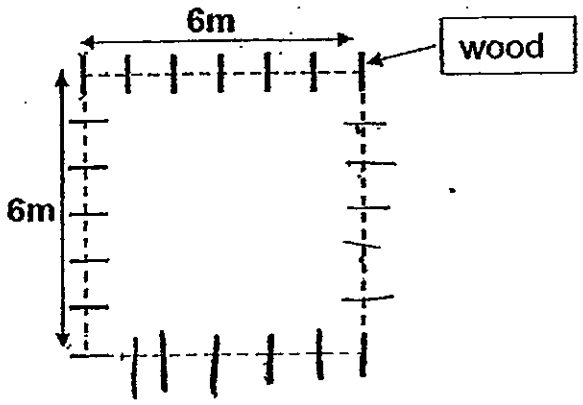
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39. Which two children have the combined savings of $254?

Name	Amount of savings
Jeffrey	$121
Gordon	$136
Ben	$93
Jack	$118

Answer : _____ and _____

40. Mr Lee wanted to fence up his square garden using pieces of wood.
Each piece of wood was placed 1 metre away from the other piece of wood.
How many pieces of wood would he need to fence up the whole garden?



Answer : _____

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Questions 41 to 45 carry 4 marks each.
Do these word problems carefully.
Show your working clearly in the space provided for each question.
(Total: 20 marks)

41. The total mass of Mohammad and Kas is 120 kg.
The total mass of Mohammad and Jing Yi is 110 kg.
Kas's mass is 57 kg.
What is Jing Yi's mass?

Jing Yi's mass is _____ kg.

42. 4 girls in a group were given 4 balloons each.
Another 4 boys joined the group.
The girls were told to share the balloons equally with boys.
How many balloons would each child have in the end?

Each child would have _____ balloons in the end.

55

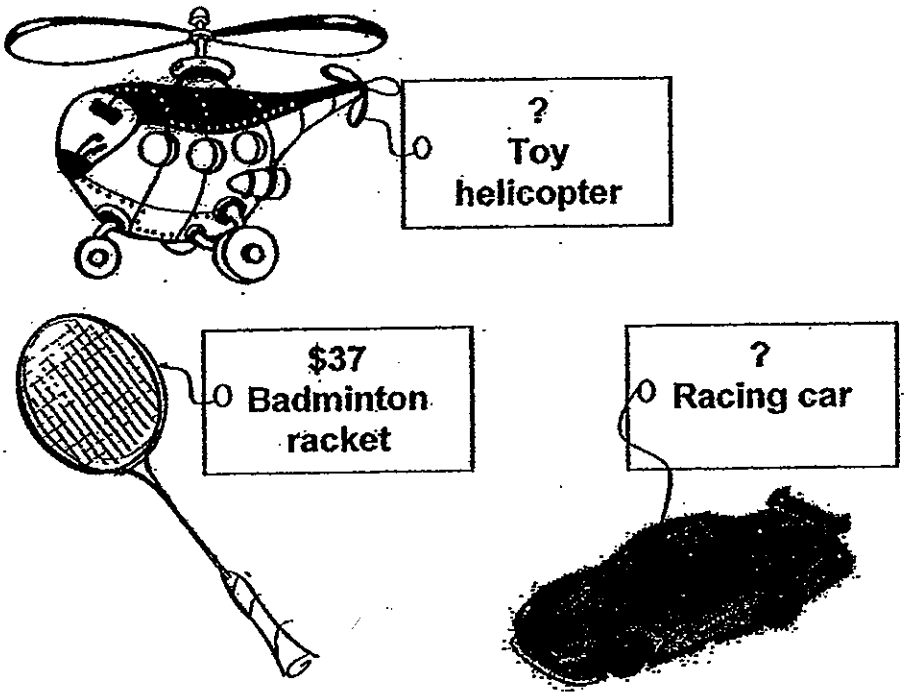
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43. Freddy has 79 stamps more than Sophia.
Sophia has 265 stamps more than Tanya.
If Tanya has 594 stamps, how many stamps does Freddy has?

Freddy has _____ stamps.

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44. At a sale, the badminton racket and the racing car cost $62.
The toy helicopter and the badminton racket cost $205.
The cost of the badminton racket was $37.
How much did these 3 items cost?



These 3 items cost $_____.

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45. The picture graph below shows the amount of time Tom spent on cycling from Monday to Friday.

Amount of time spent on cycling								
Monday	◯	◯	◯	◯	◯			
Tuesday	◯	◯	◯					
Wednesday	◯	◯						
Thursday								
Friday								
Each ◯ stands for ? minutes.								

a) Tom spent a total of 40 minutes cycling on Monday and Tuesday.
How many minutes does each ◯ stand for?

Each ◯ stands for _____ minutes.

b) Tom spent a total of 50 minutes cycling on Thursday and Friday.
He spent 10 minutes fewer on Friday than on Thursday.
Draw ◯ in the picture graph neatly to show the amount of time spent on cycling on Thursday and Friday.

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ANSWER SHEET

EXAM PAPER 2012
SCHOOL : NANYANG PRIMARY SCHOOL
SUBJECT : PRIMARY 2 - MATHEMATICS
TERM : SA2

Section A

1.	2.	3.	3.	5.	6.	7.	8.	9.	10.
3	3	3	3	4	3	4	1	3	4

11.	12.	13.	14.	15.	16.	17.	18.	19.	20.
4	1	3	4	4	1	3	4	2	4

Section B

21a. Five hundred and forty-eight
21b. 907
22. 923, 947, 974
23. 16+22=38
    22+16=38
24. 482
25. 27
26. 7
27. $80.55
28. 5/9
29. 177cm
30. 45
31. 8
32. ¼, 1/7, 1/8, 1/10
33. 8.45am
34. Peter
35. $182
36. 1/10
37. 656g
38. 6.25pm

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39. Gordon and Jack
40. 24

Section C

41. 120kg-57kg=63kg
    110kg-63kg=47kg
    Jing Yi's mass is 47kg.
42. 4x4=16
    4+4=8
    16÷8=2
    Each child would have 2 balloons in the end.
43. 265+594=859
    859+79=938
    Freddy has 938 stamps.
44. $62-$37=$25
    $25+$205=$230
    These 3 items cost $230.
45a. 40÷8=5
    Each O stands for 5 minutes.
45b. Thursday: 6 O
    Friday: 4 O

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