NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION 2013

PRIMARY 4

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 30
Section B	/ 40
Section C	/ 30

Total:	/ 100

Name: _____ ( )

Class: Primary 4 ( )

Date: 16 May 2013

Parent's Signature: _____

Any query on marks awarded should be raised by **22 May 2013.** 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.

Section A

Questions 1 to 15 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 oval (1, 2, 3 or 4) on the Optical Answer Sheet. (Total: 30 marks)

1. Which one of the following numbers when rounded off to the nearest hundred is 45 600?

(1) 45 512 (2) 45 647

(3) 45 542 (4) 45 678

2. The height of an adult elephant is about _____.

(1) 3000 m (2) 300 m

(3) 3 m (4) 30 m

3. Which one of the following numbers is a factor of 36?

(1) 108 (2) 72

(3) 8 (4) 4

4. Which one of the following pairs of numbers are common factors of 16 and 24?

(1) 3 and 8 (2) 6 and 8

(3) 4 and 6 (4) 4 and 8

5. Find the quotient when 6040 is divided by 7.

(1) 86 (2) 805

(3) 859 (4) 862

6. Which one of the following is a multiple of $48 \div 8$?

(1) 12 (2) 2

(3) 3 (4) 16

7. How many sixths are there in $6\frac{1}{3}$?

(1) 6 (2) 19

(3) 37 (4) 38

8. What is the sum of $3\frac{5}{7}$ and $1\frac{3}{7}$?

(1) $4\frac{1}{7}$ (2) $4\frac{8}{14}$

(3) $5\frac{1}{7}$ (4) $5\frac{8}{14}$

9. Alex drinks $\frac{7}{12}\ \ell$ of milk a day. How many litres of milk will he drink in 3 days?

(1) $\frac{21}{36}$ (2) $\frac{5}{6}$

(3) $1\frac{1}{2}$ (4) $1\frac{3}{4}$

10. Renee walked a distance of $\frac{3}{10}$ km. Xiao Ling walked 4 times as far as Renee. What was the total distance that the two children walked?

(1) $4\frac{3}{10}$ km (2) $1\frac{1}{2}$ km

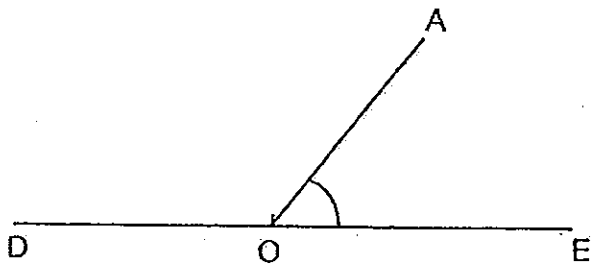
(3) $1\frac{1}{5}$ km (4) $\frac{21}{40}$ km

11. Alex is facing north-east. He makes a $\frac{3}{4}$ - turn clockwise. Which direction is he facing now?

(1) North-west (2) South

(3) South-east (4) West

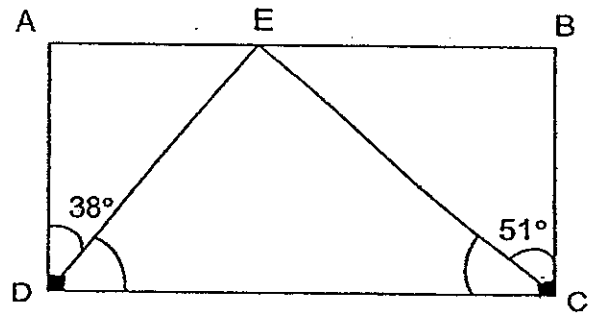
12. The diagram below is not drawn to scale. Given that DOE is a straight line, which one of the following angles is the best estimation of ∠AOE?



(1) 15° (2) 55°

(3) 85° (4) 125°

13. ABCD is a rectangle not drawn to scale. CE and DE are straight lines. ∠ADE is 38°and ∠BCE is 51°. Find the sum of ∠ EDC and ∠ECD.



(1) 42° (2) 48°

(3) 89° (4) 91°

14. A total of 360 adults and children bought tickets for a funfair. There were thrice as many children as adults. The ticket for each adult cost $9 and the ticket for each child cost $5. How much money was collected from the sale of children's tickets?

(1) $1350
(2) $2280
(3) $2160
(4) $2880

15. Study the number pattern below. What is the missing number in the blank?

112 , 224 , ___?___ , 2688 , 13 440

(1) 336
(2) 448
(3) 662
(4) 672

Section B

Questions 16 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. Marks will be awarded for relevant number sentences. For questions which require units, give your answers in the units stated. (Total: 40 marks)

16. In 48 703, the digit 7 stands for _____.

Answer : _____

17. Write the number below in numerals.

3 ten thousands, 4 hundreds, 9 thousands, 5 ones

Answer : _____

18. Arrange the following numbers in ascending order.

64 838 , 64 083 , 68 403 , 64 388

Answer : _____ , _____ , _____ , _____

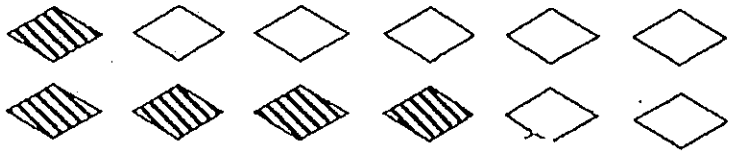
19. Estimate the product of 95 and 34 by first rounding off each number to the nearest ten.

Answer : _____

20. List all the factors of 32.

Answer _____

21. What fraction of the set below is **not** shaded?



Answer : _____

22. The number of flowers that Mrs Vanthi has is between 80 to 100. The flowers can be bundled into bouquets of 5 or 9 with no flowers left over. How many flowers does she have?

Answer : _____

23. Gigi bought $\frac{23}{3}$ kg of fruits. Mrs Zhang bought 1 kg more fruits than Gigi. How many kilogrammes of fruits did Mrs Zhang buy? Express your answer as a mixed number.

Answer : _____ kg

24. After Nurul had drunk $\frac{7}{12}$ ℓ of orange juice, there was $\frac{2}{3}$ ℓ of orange juice left. How much orange juice did she have at first?

Answer : _____ ℓ

25. Sam had 18 strips of ribbon. Each ribbon was $\frac{5}{6}$ m long.

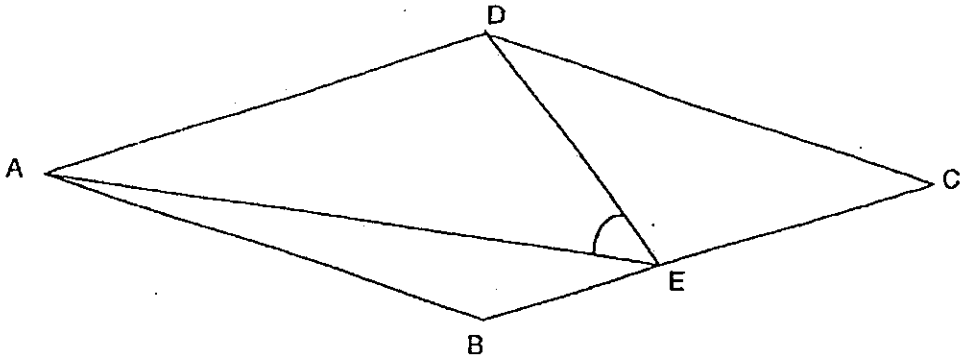
How many metres of ribbon did Sam have in total?

Answer : _____ m

26. A baker had some flour in her container. She used $2\frac{3}{4}$ kg of the flour to bake some cakes on Tuesday. She then poured in 4 kg of flour into the container. There was $4\frac{1}{8}$ kg of flour in the container in the end. How much flour did the baker have at first?

Answer : _____ kg

27. ABCD is a four-sided figure. Name and measure the marked angle.

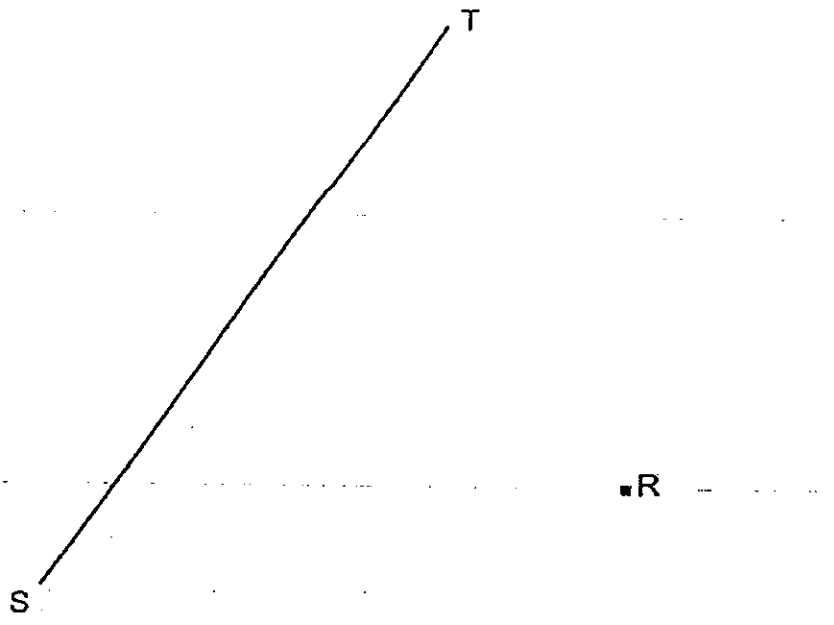


Answer : ∠ _____

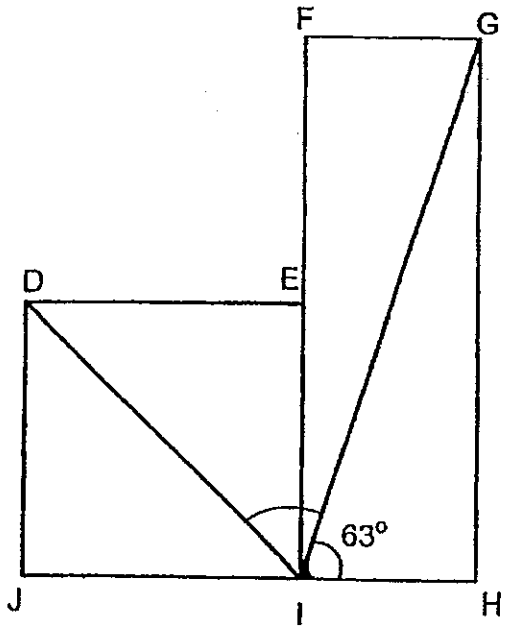
_____ °

28. Construct an angle using line PQ such that ∠PQR is equal to 125°.
Mark and label the angle.

29. ST is a straight line.
Draw and label a line PQ through point R such that PQ // ST.



30. The figure below shows a square DEIJ and a rectangle FGHI not drawn to scale. DI and GI are straight lines. $\angle GIH = 63^\circ$. Find $\angle DIG$.



Answer : _____ °

31. Keng Seng needs to collect 419 seashells for an art project. He only has 231 seashells now. He only has 4 weeks to collect the rest of the seashells and he collects an equal number of seashells each week. How many seashells must he collect each week? (Round off your answer to the nearest ten.)

Answer : _____

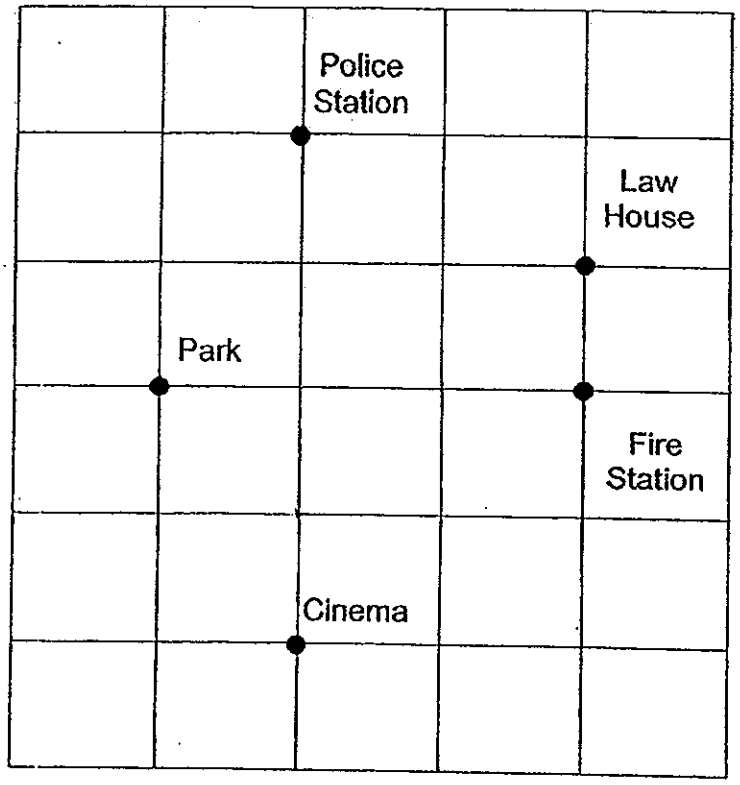
32. Mr Zhang won $6888 in a lucky draw. He wanted to give away all the money to his wife and his 4 children. The children received the same amount each. If his wife received 3 times as much money as each child, how much money did his wife receive?

Answer : $_____

33. At a book fair, $\frac{2}{5}$ of the books sold were fantasy books and $\frac{1}{10}$ of the books sold were science fiction books. The difference between the number of fantasy books and science fiction books sold was 60. What was the total number of books sold at the book fair?

Answer : _____

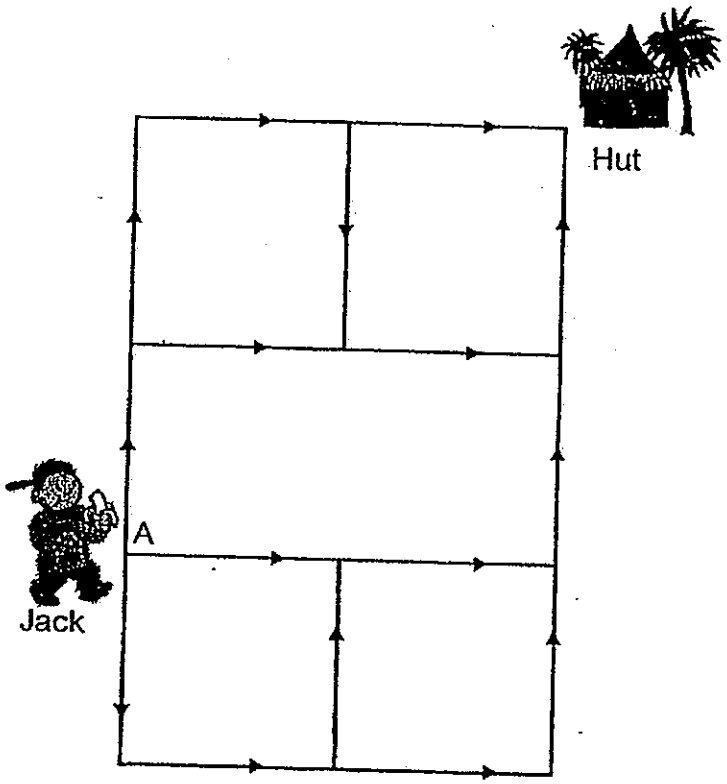
34. The diagram below shows a map of the different locations in a town square.



(a) The _____ is to the east of the _____.

(b) The government decides to build a fountain in the town square. The location of the fountain is to be north of the cinema and south-west of the Law House. Put a cross (X) on the map where the fountain will be built.

35. The diagram below shows the different paths Jack can take to go to the hut from point A. Jack can only follow the direction of the arrows shown. How many different paths can Jack take to go to the hut?



Answer : _____

Section C

Questions 36 to 37 carry 3 marks each and questions 38 to 43 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided below each question. Marks will be awarded to relevant number sentences. (Total: 30 marks)

36. Yiwei spent $\frac{1}{4}$ of his savings on a set of toys. He spent another $\frac{5}{12}$ of his savings on a T-shirt. What fraction of Yi Wei's savings was left?

Ans: _____ [3]

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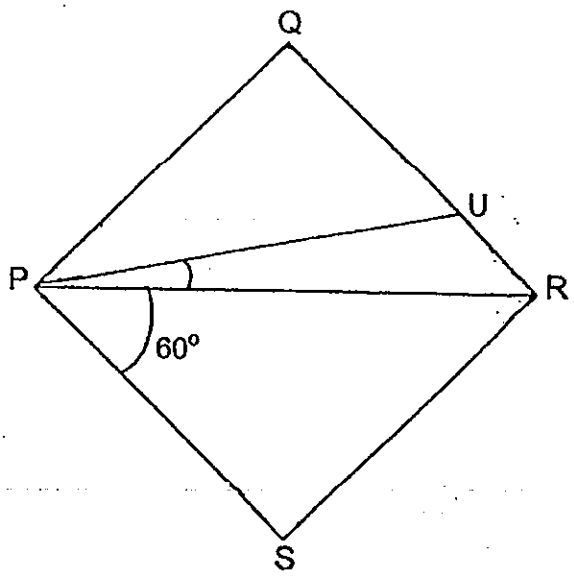
37. PQRS is a square. PU and PR are straight lines and PR divides the square into halves. $\angle UPS = 60°$. Find

(i) $\angle PRS$
(ii) $\angle UPR$



Ans: (i) _____ [1]

(ii) _____ [2]

38. Mr Tan had 1315 toy robots. He kept 50 of them and distributed the rest equally among his 5 children. The children sold each toy robot at $11. How much money did each child collect?

Ans: _____ [4]

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39. 5 pairs of shoes and 4 bags cost $354. 1 pair of shoes and 2 bags cost $120. What is the cost of one bag?

Ans: _____ [4]

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40. There were 50 more carrot cakes than yam cakes on sale in a cafe. After selling three times as many carrot cakes as yam cakes, there were 14 more yam cakes than carrot cakes left. How many carrot cakes did the cafe sell?

Ans: _____ [4]

41. David had 776 marbles. He gave $\frac{3}{8}$ of his marbles to Peter. David also gave $\frac{1}{4}$ of his marbles to Jian Cheng. How many marbles did David have in the end?

Ans: _____ [4]

42. Mother gave Roslina a storybook for her birthday. She read 74 pages on the first day. On the second day, Roslina read $\frac{2}{5}$ of the total number of pages. She still had 259 pages more to read before she could finish the storybook. How many pages were there in the storybook?

Ans: _____ [4]

43. At a school fun fair, every Primary 4 class needs to set up a game stall along a school corridor. The game stalls are lined in a single row only on one side of the corridor. Each class is given a table to set up their game stall. The length of each table is 2 m long and there must be a gap of 3 m between 2 tables. The length of the corridor is 55 m and there is gap of 4 m at both ends of the corridor.

(a) How many stalls can the pupils set up along the length of the corridor?

(b) A dustbin is placed in between every 2 game stalls along the corridor. How many dustbins are needed?

Ans: (a)_____ [3]

(b)_____ [1]

END OF PAPER

ANSWER SHEET

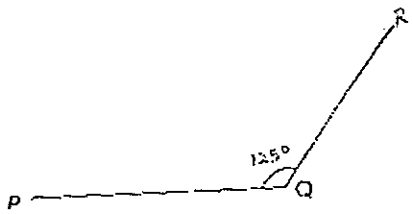
EXAM PAPER 2013

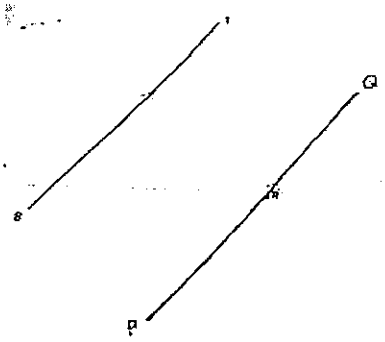
SCHOOL : NANYANG PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHMETICS
TERM : SA1

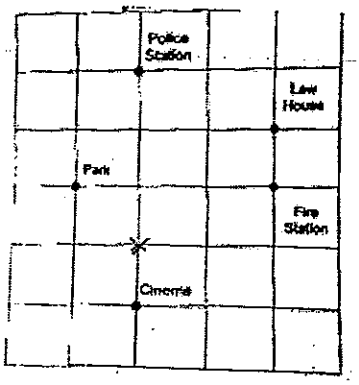
Booklet A

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

16. 700
17.39405
18.64083, 64388, 64838, 68403
19. 3000
20.1,2,4,8,16 and 32
21.7/12
22.90
23.$8\frac{2}{3}$
24.$1\frac{1}{4}$
25.15
26.$2\frac{7}{8}$
27. Angle AED
45 degree
28.
29.
30.72
31.50
32. 2952
33.200
34a).fire station ... park
b)
35. 6
36.1-1/4-5/12=4/12=1/3
37i) (180-90) ÷2=45







ii) 180-90-60=30
90-60=30
60-45=15

38.2783

39.354+120=474
474/6=79
120-79=41

40.50+14=64
64/2x3=96

41.776/8=97
1-3/8-1/4=3/8
3x97=291

42. 1-2/5=3/5
(259+74) ÷ 3=111
5x111=555

43a) 55-4-4=47
2+3+2=7
47÷7=6R5
55-4-4=47
47-2=45
45÷5=9
9+1=10

b) a) 10
b). 9