NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2014

PRIMARY 4

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

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

Total:	**/ 100**

Name: _____ ( )

Class: Primary 4 ( )

Date: 30 October 2014

Any query on marks awarded should be raised by ~~7~~ 6 **Nov 2014.** We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

Parent's Signature:

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. Seventy-five thousand and eighty-three in figures is _____.

(1) 75 830
(2) 75 803
(3) 75 083
(4) 7583

2. Complete the following number pattern.

8 , 14 , 20 , _____ , _____ , 38

(1) 21, 22
(2) 21, 37
(3) 26, 27
(4) 26, 32

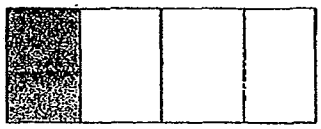
3. 42 756 rounded off to the nearest hundred is _____.

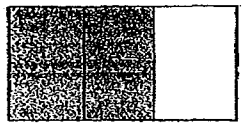
(1) 42 700
(2) 42 760
(3) 42 800
(4) 43 000

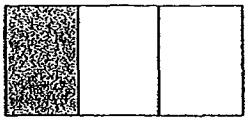
4. What is the number when 225.62 is rounded off to 1 decimal place?

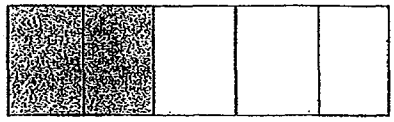
(1) 225.0
(2) 225.6
(3) 225.7
(4) 226.0

5. Which one of the following has $\frac{1}{3}$ of the figure shaded?

(1) 

(2) 

(3) 

(4) 

6. Which one of the following figures has perpendicular lines?

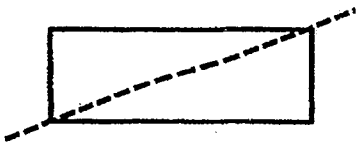
(1) T

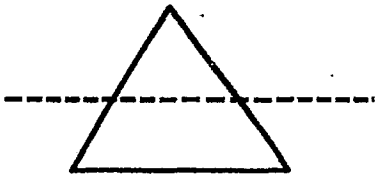
(2) V

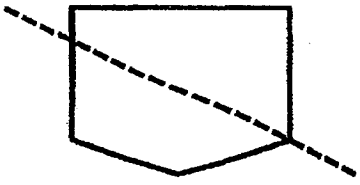
(3) X

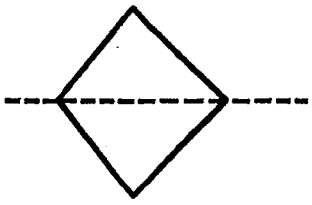
(4) N

7. In which one of the figures below is the dotted line a line of symmetry?

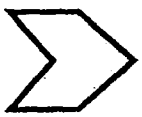
(1) 

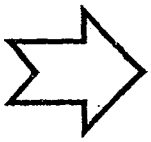
(2) 

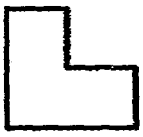
(3) 

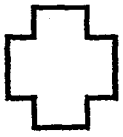
(4) 

8. Which one of the following shapes cannot be tessellated?

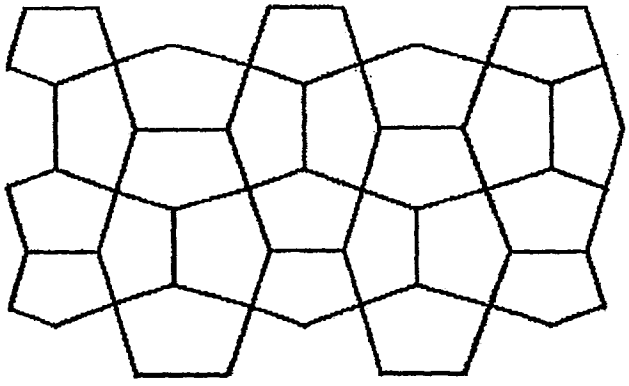
(1) 

(2) 

(3) 

(4) 

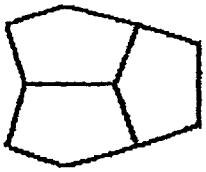
9. Look at the tessellation below.

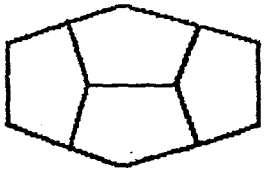


Which one of the following is a unit shape?

(1) 

(2) 

(3) 

(4) 

10. Jin Rong had $200. He spent $84 on a watch and $27 on a wallet. How much money did he have left? Round off your answer to the nearest ten.

(1) $80
(2) $90
(3) $100
(4) $110

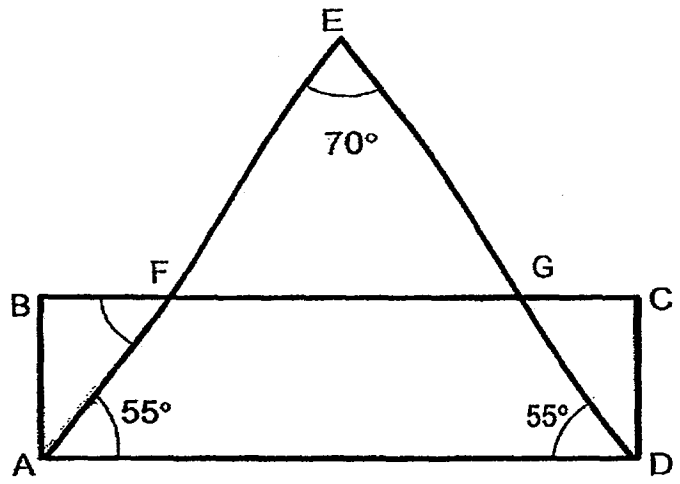
11. Mr Bethel completed the first lap of an F1 race in 2 min 34 s. Mr Kazuya took 20 s longer than Mr Bethel. How much time did they take to complete one lap altogether? Express the time in seconds.

(1) 174 s
(2) 254 s
(3) 328 s
(4) 488 s

12. Peter has three pieces of rope A, B and C. Rope A is 2.95 m long. Rope B is 4.68 m longer than Rope A. Rope C is twice as long as Rope B. What is the total length of the ropes? Round off your answer to 1 decimal place.

(1) 7.6 m
(2) 15.3 m
(3) 25.8 m
(4) 25.84 m

13. The figure below is not drawn to scale, ABCD is a rectangle and ADE is a triangle. $\angle AED = 70°$ and $\angle EAD = 55°$. Find $\angle AFB$.



(1) 35° (2) 55°
(3) 70° (4) 110°

14. There were 4 times as many men as women in a stadium. After 378 women left the stadium, the number of men left in the stadium was 12 times the number of women left. How many men were there in the stadium at first?

(1) 504 (2) 1512
(3) 2268 (4) 3024

15. The total length of 10 different poles is $31\frac{2}{3}$ m. The length of each of the first 8 poles is $\frac{17}{6}$ m. The length of the 10^{th} pole is half of the length of the 9^{th} pole. What is the length of the 10^{th} pole?

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

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. For questions which require units, give your answers in the units stated.

(Total: 40 marks)

16. Some factors of 32 are 1, 2, 4 and 32. What are the other two factors of 32?

Answer : _____ , _____

17. $\frac{1}{4} + \frac{3}{8} =$ _____

Answer : _____

18. $\frac{2}{3} - \frac{2}{9} =$ _____

Answer : _____

19. Which two of the fractions below are smaller than $\frac{1}{2}$?

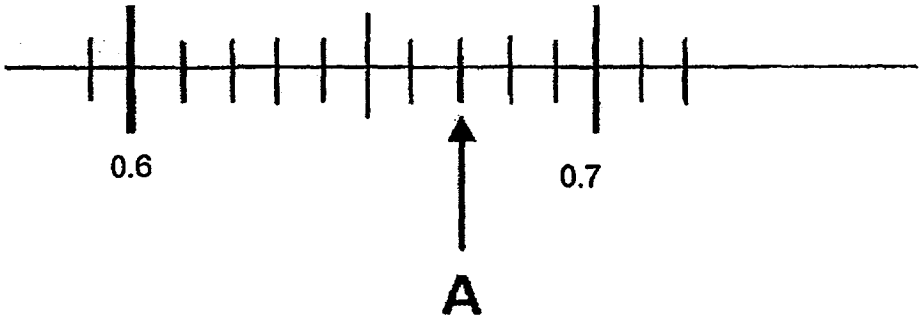
$\frac{1}{3}$, $\frac{4}{8}$, $\frac{2}{5}$, $\frac{7}{12}$

Answer : _____ , _____

20. Write 5 tenths as a decimal.

Answer : _____

21. Write the decimal represented by A.



Answer : _____

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

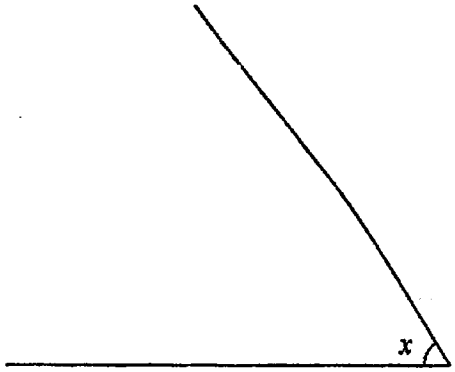
0.078 , 0.807 , 0.708

Answer : _____ , _____ , _____
(greatest) *(smallest)*

23. Find the value of 7.82 × 8.

Answer : _____

24. Measure and write down the size of $\angle x$.



Answer : _____°

25. Express 0.68 as a fraction. Express your answer in its simplest form.

Answer : _____

26. A bottle can hold twice as much water as a mug. The total volume of water that 3 bottles and 2 mugs can hold is 5640 ml. How much water can a mug hold?

Answer : _____ ml

27. $\frac{3}{7}$ of a number is 24. What is $\frac{1}{2}$ of the number?

Answer : _____

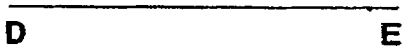
28. A tool box with some tools weighs 3.56 kg. If the tool box weighs 1.69 kg, what is the weight of the tools? Round off your answer to 1 decimal place.

Answer : _____ kg

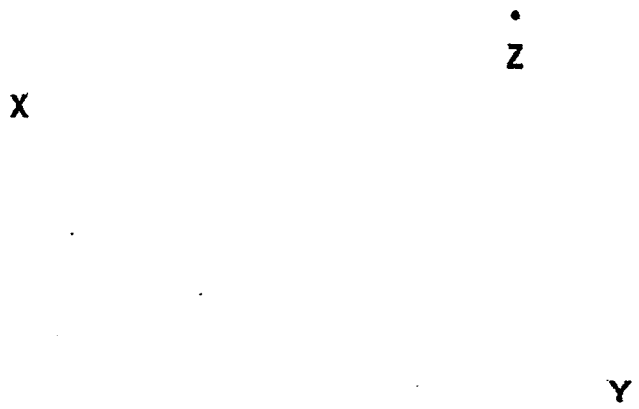
29. Shashi has a jug of 3 litres of juice. He wants to pour it equally into 8 cups. How much juice is there in each cup? Express your answer in decimal.

Answer : _____ *l*

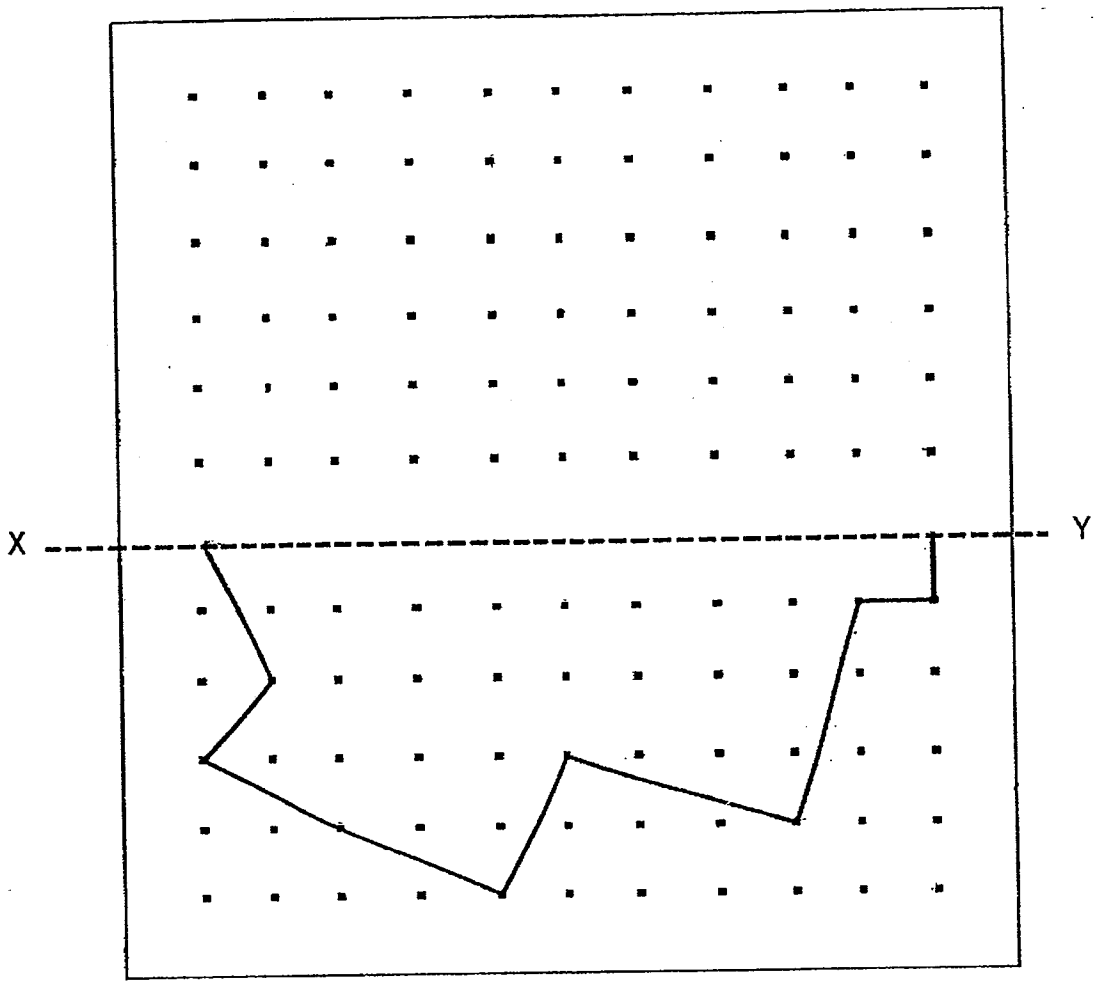
30. The figure below shows a line DE. Using a protractor, construct an angle such that $\angle DEF = 112°$. Mark and label the angle.



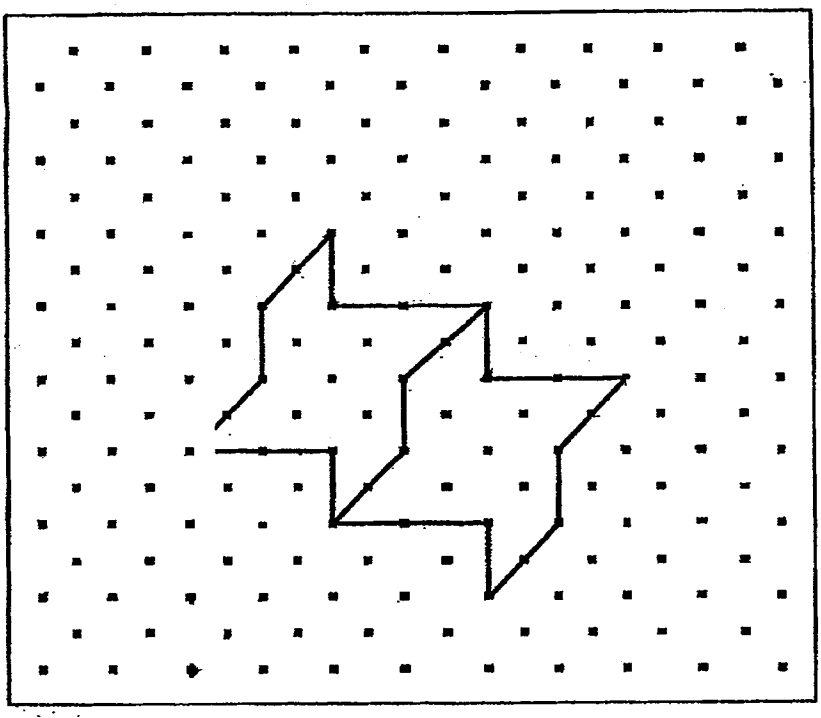
31. The figure below shows a line XY and a point Z. Draw a line parallel to XY passing through point Z.



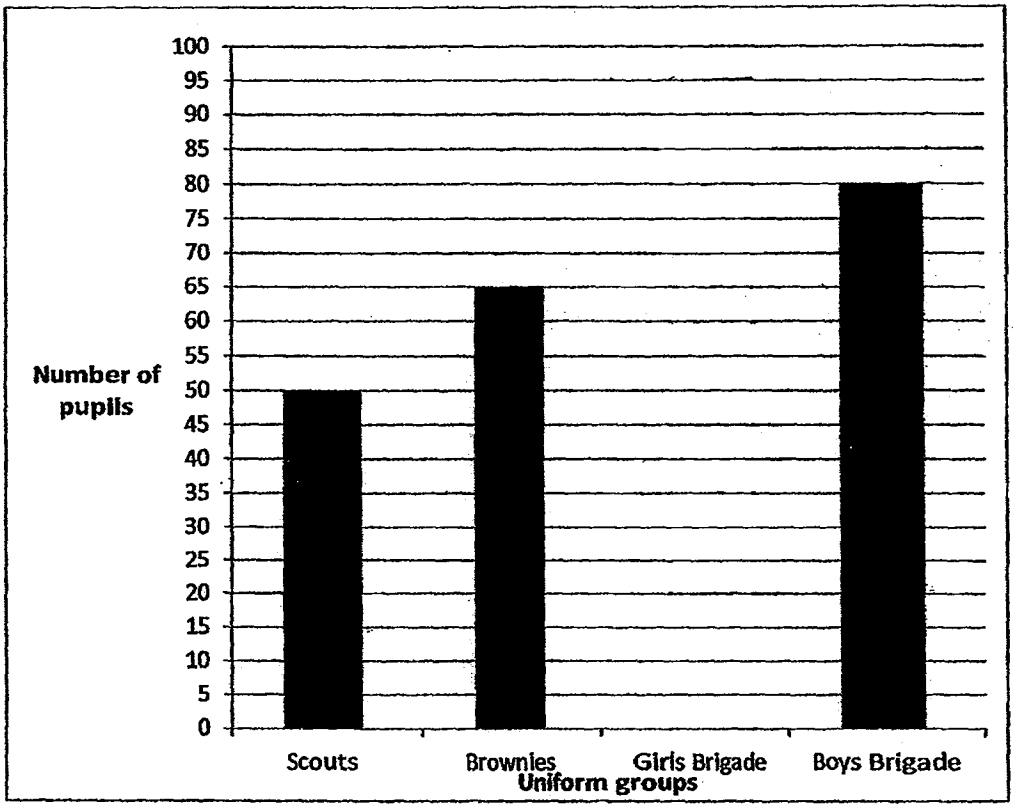
32. Complete the following figure with XY as the line of symmetry.



33. Complete the following tessellation by drawing in 4 more unit shapes.



34. The bar graph shows the number of students who joined uniform groups in primary 4.



There are 290 students that joined uniform groups. Draw a bar on the bar graph to show the number of students who joined Girls Brigade.

35. The perimeter of a rectangle is 48 cm. The length is twice its breadth. What is the length of the rectangle?

Answer: _____cm

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 for each question and write your answers in the spaces provided.

(Total: 30 marks)

36. Jonas went to the bookshop and bought 3 pens at $1.95 each and 2 notebooks at $2.30 each. He gave the cashier $20. How much change would he receive?

Ans: _____ [3]

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37. Sharifah was reading a storybook. She circled the pages with numbers that are multiples of 7 and are smaller than 40. What is the total of the page numbers that Sharifah circled?

Ans: _____ [3]

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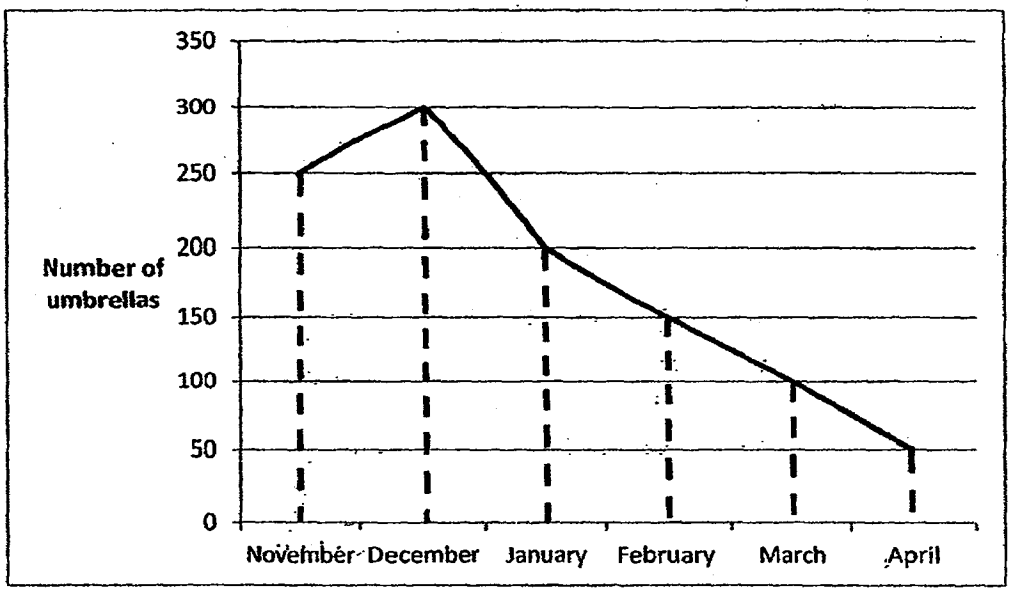
38. The line graph below shows the sale of umbrellas from November to April.



a) Between which 2 months did the sale of umbrellas decrease the most?

b) The cost of 1 umbrella is $12. What is the total amount of money collected from the sale of umbrellas from November to April?

Ans: a)_____ [1]

b) _____ [3]

39. Mrs Chopra is 5 times as old as her son now. In 12 years' time, Mrs Chopra will be 3 times as old as her son. What is Mrs Chopra's age now?

Ans: _____ [4]

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40. At an art exhibition, there was a total of 77 paintings and posters. $\frac{1}{4}$ of the paintings and 14 of the posters were sold. After that there were an equal number of paintings and posters left. How many more posters than paintings were there at first?

Ans: _____ [4]

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41. There were 130 books in the class library. Each of the 40 pupils could either borrow 3 or 4 books over the holidays. No book was left in the classroom. How many pupils borrowed 3 story books?

Ans: _____ [4]

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42. Mr Rodriguez took a flight at 21 30 on Wednesday from Singapore to Portugal. The flight lasted 14 h 55 min. The time in Singapore is 7 hours ahead of the time in Portugal. On which day and at what time did he arrive at Portugal? (Give your answer according to the local time in Portugal.)

Ans: _____ , _____ [4]

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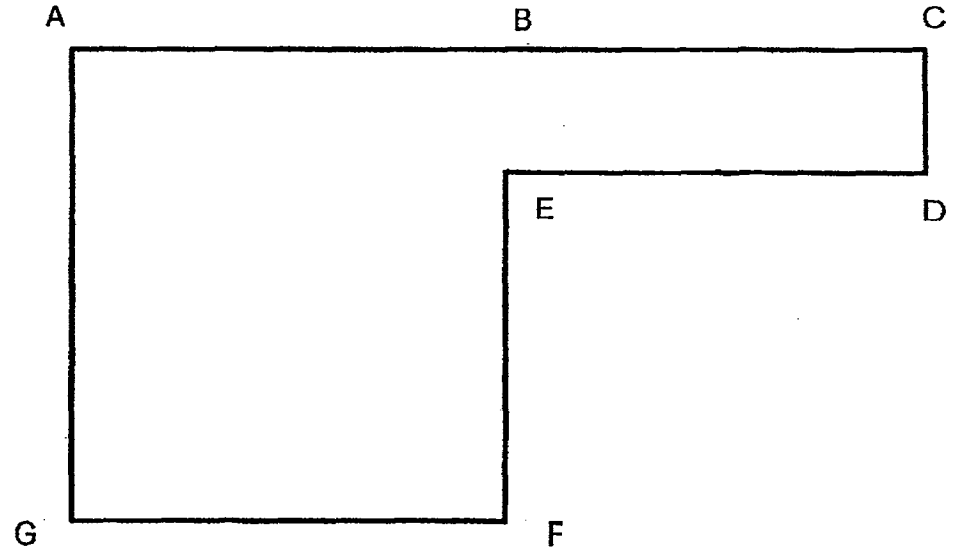
43. The figure ABCDEFG below has an area of 60 cm^2. The length of AB is the same as the length of BC. The length of AG is four times the length of CD. If the length of AC is 12 cm, find the perimeter of the figure ABCDEFG. (All the lines meet at right angles.)



Ans: _____ [4]

END OF PAPER

Answer Ke

EXAM PAPER 2014
SCHOOL : NANYANG
PRIMARY : P4
SUBJECT : MATHEMATICS
TERM : SA2

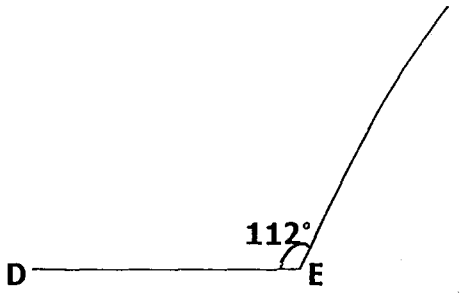
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
3	4	3	2	3	1	4	2	1	2	3	3	2	3	3

16)16, 8 **17)5/8** **18)4/9** **19)1/3, 2/5** **20)0.5**

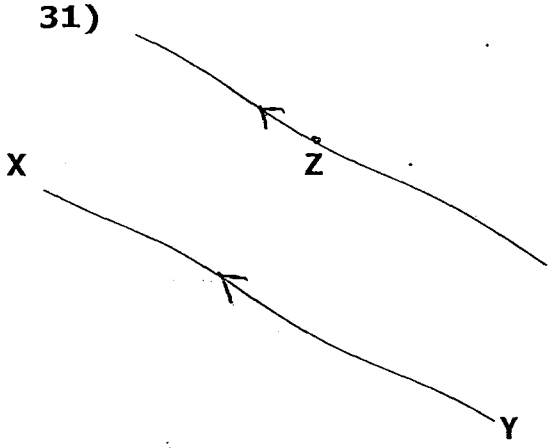
21)0.67 **22)0.807, 0.708, 0.078** **23)62.56** **24)55°**

25)17/25 **26)705 ml** **27)28** **28)1.9 kg** **29)0.375 L**

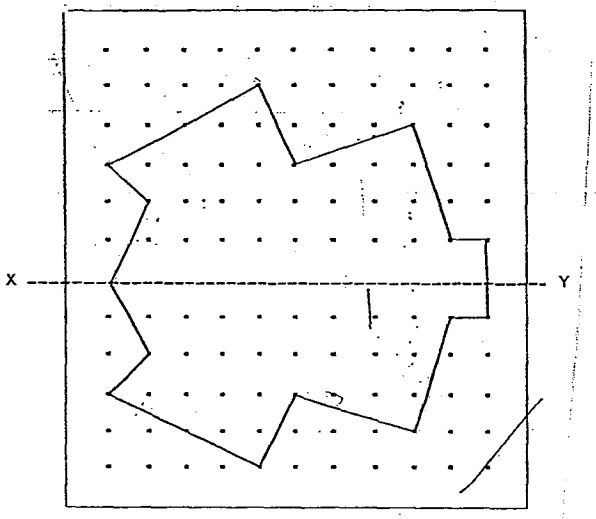
30)



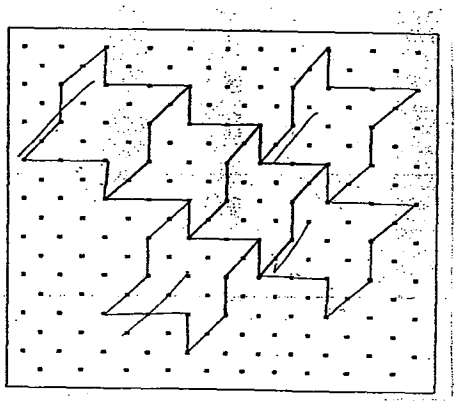
31)



32)



33)



34)Girls Brigade (draw to 95

35)2+2+1+1 = 6

48 ÷ 6= 8

8 x 2 = 16 cm

36)$1.95 x 3 = $5.85

$2.30 x 2 = $4.60

$5.80 + $4.60 = $10.45

$20 - $10.45 = $9.55

37)7 14 21 28 35

7 + 14 = 21

21 + 21 = 42

42 + 28 = 70

70 + 35 = 105

38)a)December to January

b)300 – 200 = 100

250 + 200 = 750

750 + 150 = 900

900 + 100 = 1000

1000 + 50 = 1050

1050 x $12 = $12600

39)12 x 5 = 60

60 + 12 = 72

12 x 2 = 24

24 x 3 = 72

11u→12

Ans: 60 yrs old

40)17 – 14 = 63

63÷7= 19

14 – 9 = 5

41)3 x 40 = 120

130 – 120 = 10

4 – 3 = 1

10÷1 = 10

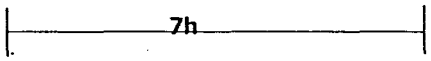
40 – 10 = 30

30 x 3 = 90

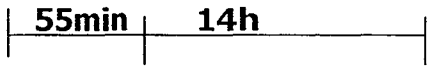
4 x 10 = 40

90 + 40 = 130

42)



1430 wed 2130 wed



1430 wed 1525 0525 thurs

Ans: 0525, Thursday

43)12÷2 = 6

60÷5 = 12

12÷6 = 2

2 x 4 = 8

8 – 2 = 6

6+6+6+6+6 = 30

30 + 2 + 8 = 40 cm