

NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2010

PRIMARY 4

MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

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

Total:	**/ 100**

Name: _____ ( )

Class: Primary 4 ( )

Date: 1 November 2010

Parent's Signature: _____

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 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. In which of the following numbers does the digit 4 stand for 400?

(1) 4 260 (2) 2 604

(3) 6 420 (4) 6 042

2. Which of the following numbers when rounded off to the nearest ten becomes 72 500?

(1) 72 440 (2) 72 496

(3) 72 508 (4) 72 560

3. Which of the following is a multiple of both 3 and 6?

(1) 6 (2) 9

(3) 3 (4) 15

4. The value of 408 × 17 is _____ .

(1) 3264 (2) 6934

(3) 6936 (4) 7236

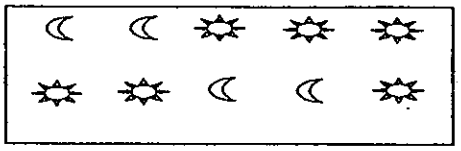
5. Which of the following is the best estimate for 19 × 11?

(1) 20 × 10 (2) 10 × 10

(3) 20 × 15 (4) 10 × 15

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6. What fraction of the shapes in the box is ☾?



(1) $\frac{2}{5}$ (2) $\frac{3}{5}$

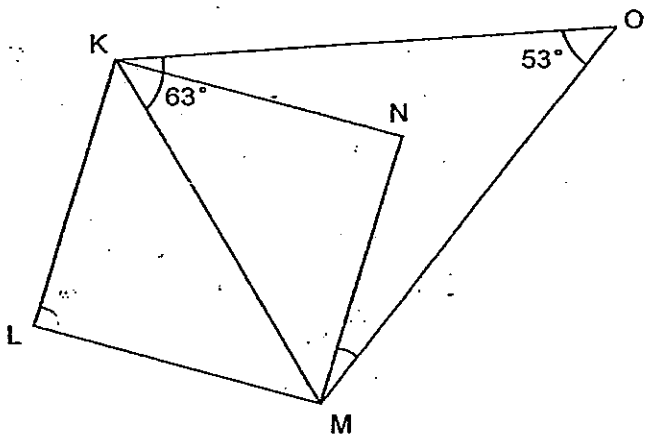
(3) $\frac{1}{2}$ (4) $\frac{2}{3}$

7. Mrs Lee bought 8 presents for her family. If she needed $1\frac{1}{4}$ m of ribbon to wrap each present, how much ribbon was needed to wrap all the presents?

(1) 2 m (2) 8 m

(3) 10 m (4) 40 m

8. In the figure below, KLMN is a square. KO, KM and MO are straight lines. ∠OKM = 63° and ∠KOM = 53°. Find ∠NMO.



(1) 19° (2) 26°

(3) 38° (4) 64°

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9. Express 0.05 as a fraction in its simplest form.

(1) $\frac{1}{100}$ (2) $\frac{1}{20}$

(3) $\frac{1}{5}$ (4) $\frac{1}{2}$

10. $4.28 \times 6 =$ _____

(1) 24.28 (2) 25.68

(3) 242.8 (4) 256.8

11. The mass of 5 identical metal balls is 2 kg. What is the mass of 1 metal ball?

(1) 0.04 kg (2) 0.4 kg

(3) 0.44 kg (4) 4 kg

12. Jane took 10 min 35 s to finish her Mathematics worksheet. She took twice the time to finish her English composition. What was the total time that she took to finish both tasks?

(1) 21 min 10 s (2) 31 min 45 s

(3) 42 min 20 s (4) 52 min 55 s

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13. Which of the following figures is not a symmetrical figure?

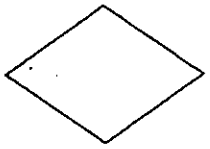
(1) 

(2) 

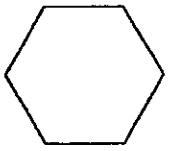
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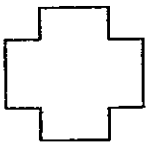
(4) 

14. Which of the following figures cannot tessellate?

(1) 

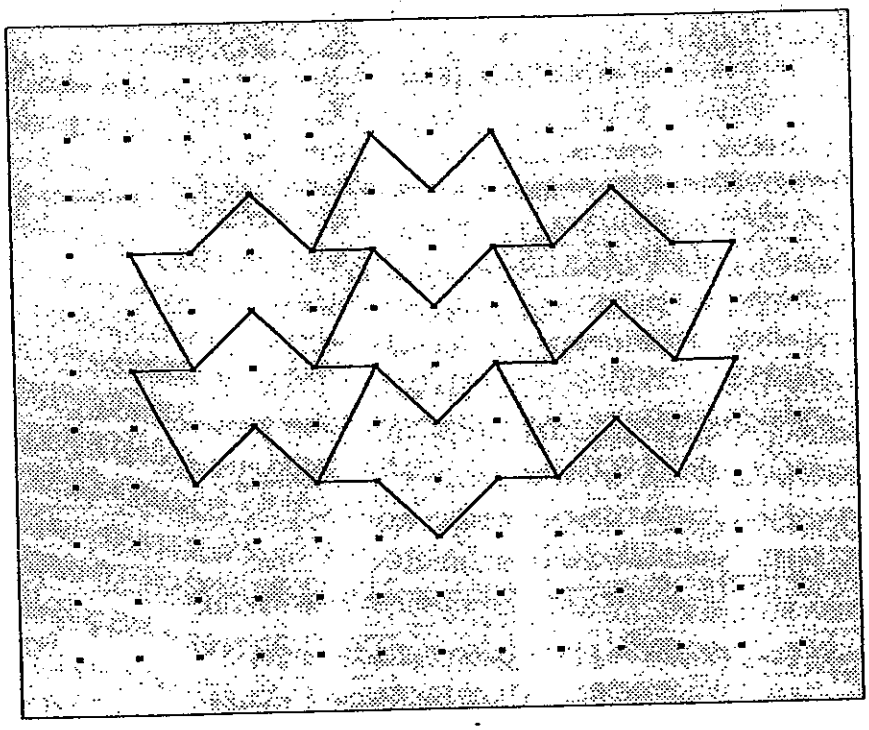
(2) 

(3) 

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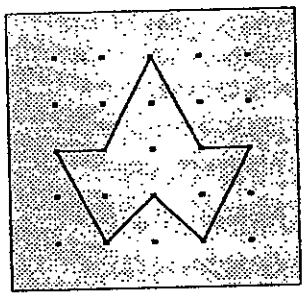
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15. The pattern in the box shows part of a tessellation.

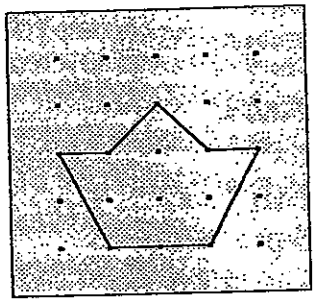


Which of the following is the shape used in the tessellation above?

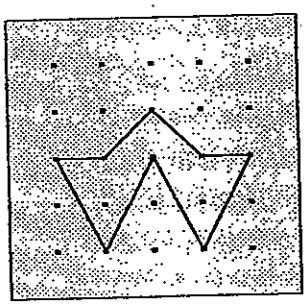
(1)



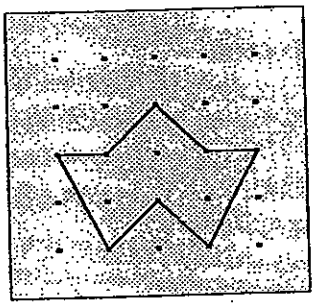
(2)



(3)



(4)



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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. Fill in the blank with the correct number in the number pattern below.

550 , 525 , 500 , _____ , 450

Answer : _____

17. Write down **all** the common factors of 28 and 36.

Answer : _____

18. 5201 ÷ 7 = _____

Answer : _____

19. Ali, Ravi and Clare baked a total of 18 trays of cupcakes for a fund raising event. Each tray contained 1 dozen of cupcakes. Ali baked 2 cupcakes more than Ravi but 5 cupcakes fewer than Clare. How many cupcakes did Ravi bake?

Answer : _____

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20. Write $\frac{15}{7}$ as a mixed number in its simplest form.

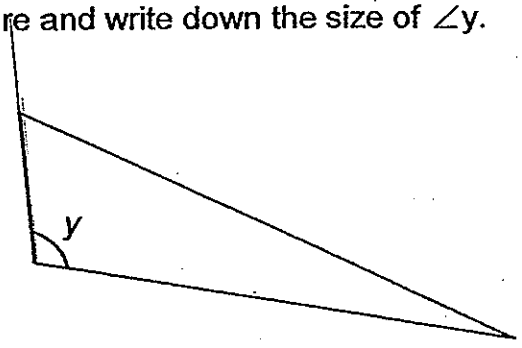
Answer : _____

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

$$\frac{3}{4} \quad , \quad \frac{3}{8} \quad , \quad \frac{7}{8}$$

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

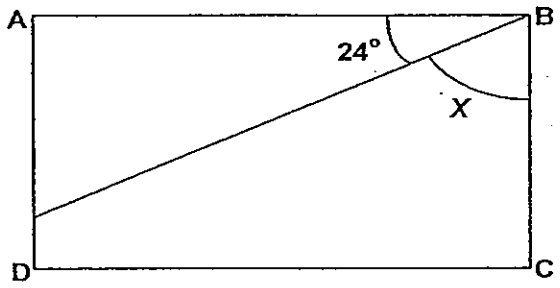
22. Measure and write down the size of $\angle y$.



Answer : _____ °

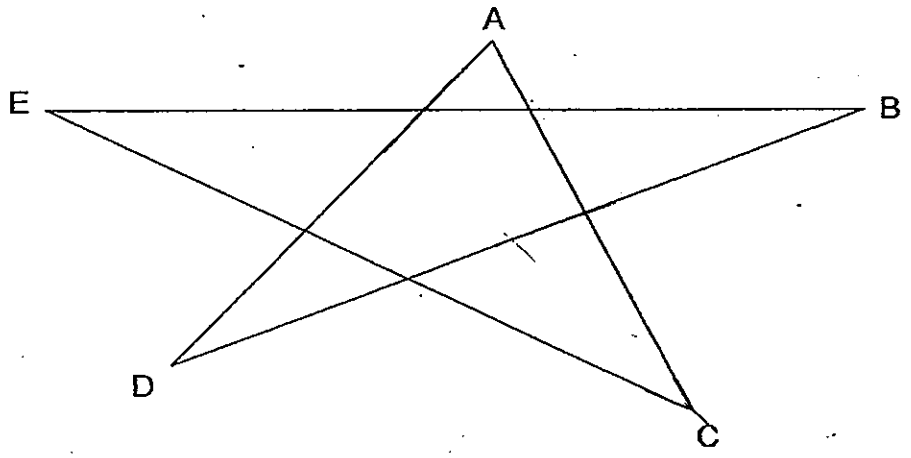
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23. In the figure, ABCD is a rectangle. Find the value of $\angle x$.



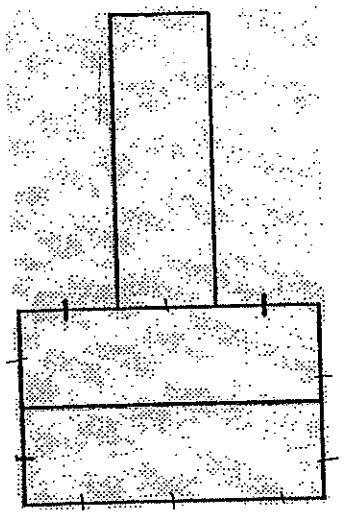
Answer : _____°

24. Draw a line perpendicular to the line AD through the point C in the figure below.



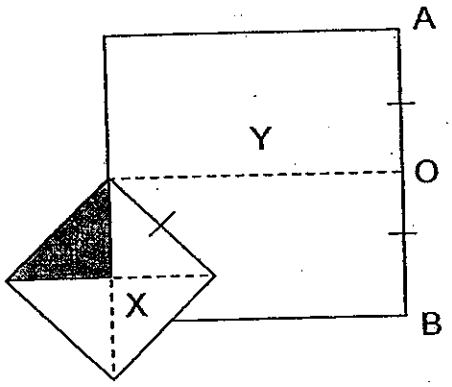
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25. The figure below is made up of 3 identical rectangles. If the area of the whole figure is 81 cm^2, find the breadth of each rectangle.



Answer : _____cm

26. The figure below is made up of two squares X and Y. The length of square X is equal to AO, and AO=OB. If the area of the shaded region is 9 cm^2, find the length of square Y.



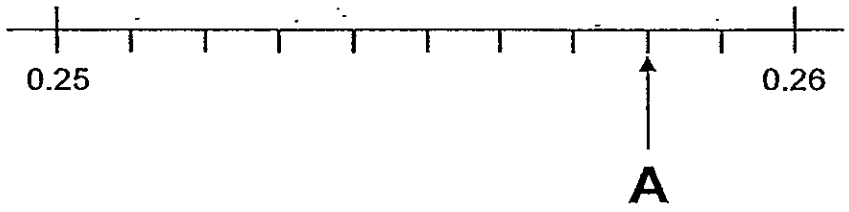
Answer : _____cm

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27. Write 16 thousandths in figures.

Answer : _____

28. Write the decimal represented by A.



Answer : _____

29. Round off 28.96 to 1 decimal place.

Answer : _____

30. Ritah bought a blouse and a dress at the shopping mall. The blouse cost $19.50 and the dress cost $3.85 less than the blouse. She paid $50 to the cashier. How much change did she get ?

Answer : $_____

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31. Mrs Lee gave $459 to Karen and $283 to Jack. Both of them wanted to spend the money equally over 8 days. How much would both of them spend in 1 day?

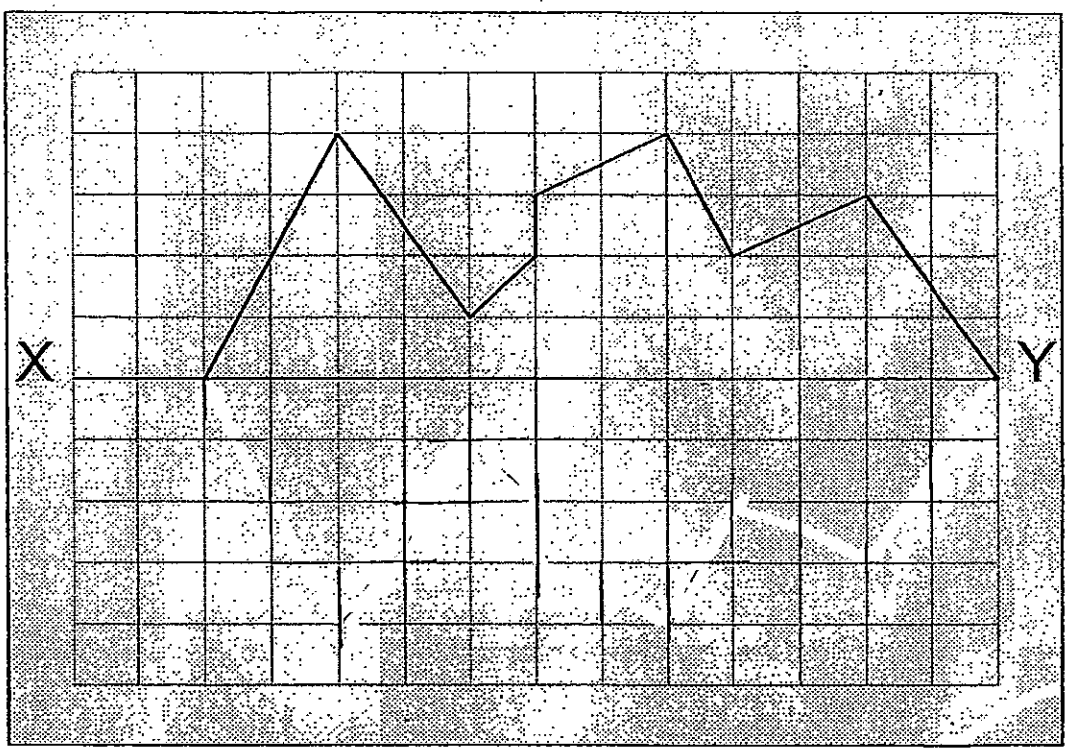
Answer : $_____

32. Jenna ran 12.79 km, when rounded off to the nearest hundredth. What was the furthest possible distance she ran? (Give your answer in 3 decimal places.)

Answer : _____km

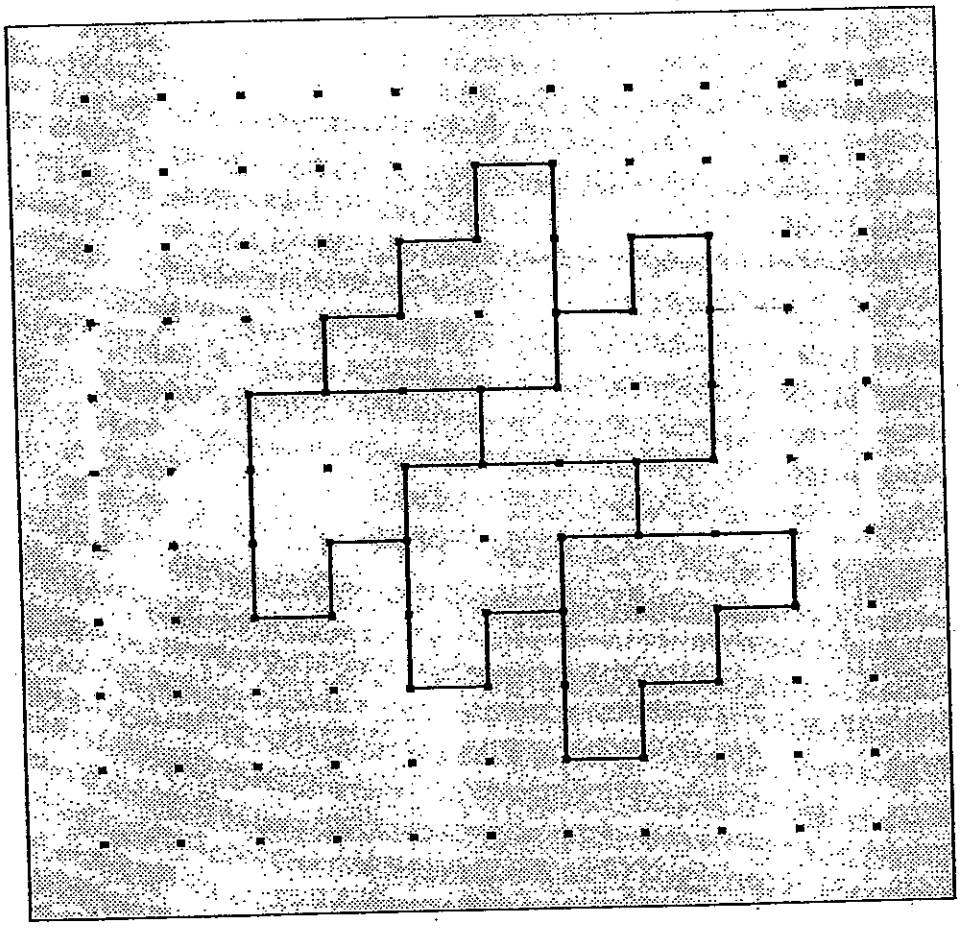
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33. Complete the following figure with XY as the line of symmetry.



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34. The pattern in the box below shows part of a tessellation. Extend the tessellation by drawing **two** more unit shapes in the space provided within the box.



35. The table below shows the results of John's final examination. Use the data given to complete the table.

- The total marks for the 3 subjects is 251.
- He scored 15 marks fewer for Chinese Language than English Language.

Subjects	Marks
English Language	
Chinese Language	73
Mathematics	

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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. The total length of 3 identical long ropes and 2 identical short ropes is 198 cm. Each piece of long rope measures thrice as long as a short rope. What is the length of each piece of long rope?

Answer : _____ (3 m)

37. An exercise book cost $0.45. Linus had enough money to buy 4 exercise books. He could buy 9 notebooks with the same amount of money. How much would 15 notebooks cost?

Answer : _____ (3 m)

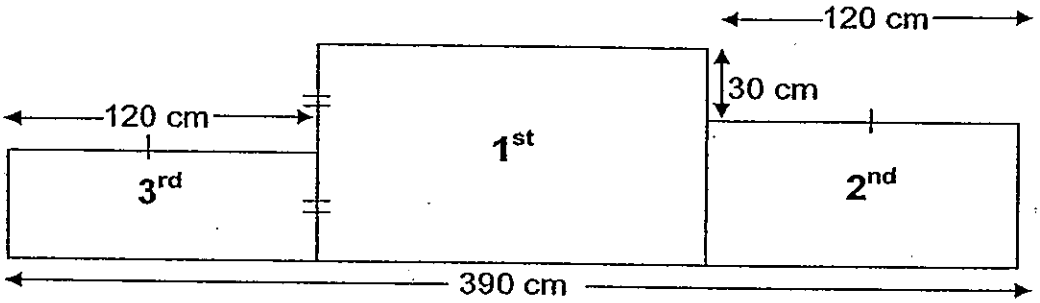
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38. There are 300 girls in a school. $\frac{3}{4}$ of the number of boys in the school is equal to $\frac{4}{5}$ of the number of girls in the school. How many children are there in the school?

Answer: _____ (4 m)

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39. During the Youth Olympic Games, Mr. Singh was tasked to build a winner's podium as shown in the figure below. The length of the "2nd" and "3rd" podium was the same. The organising committee required him to paint the front of the podium purple. If the perimeter of the "1st" podium was 480 cm, what was the total area he would need to paint?



Answer :_____(4 m)

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40. If Vera gives Bala 2 stickers, he will have the same number of stickers as Vera. If Bala gives Vera 2 stickers, Vera will have 5 times as many stickers as Bala. How many stickers does each of them have?

Answer :Vera:_____

Bala:_____

(4m)

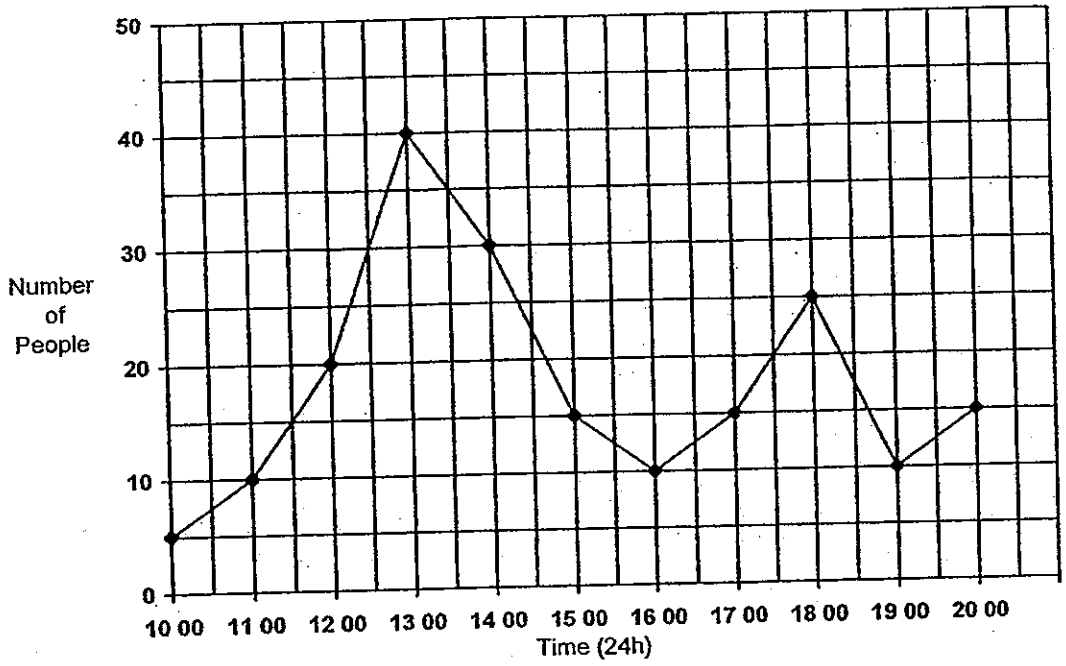
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41. The time in New York is 12 hours behind that of Singapore. Mr Tan took a 18 hour flight from New York to Singapore. He departed from New York at 22 35 on Wednesday: What was the day and time in Singapore when he arrived?

Answer : _____ (4 m)

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42. The line graph below shows the number of people in a store at various times of a day. Study it carefully and answer the following questions.



a) What was the busiest time of the day at the store?

b) How many people were in the store at 18 00?

c) During which one-hour period was the increase in the number of people the greatest?

d) What was the increase in part (c)?

Answer : a) _____ (1 m)

b) _____ (1 m)

c) _____ to _____ (1 m)

d) _____ (1 m)

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43. I went to the zoo with my parents last Saturday. We saw a total of 30 chickens and horses. If the total number of legs was 80, how many horses were there?

Answer: _____ (4 m)

END OF PAPER

Setters: Mr Jyoji Numayama
Mr Jonathan Goh
Miss Eng Li Li

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Ans

EXAM PAPER 2016

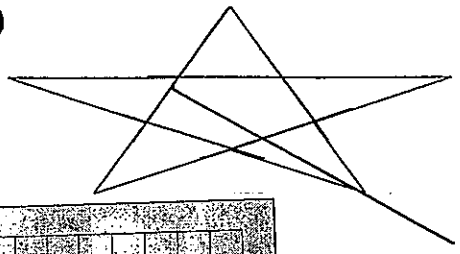
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SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA2

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

16)475 **17)1,2 and 4** **18)743** **19)69** **20)2 1/7**

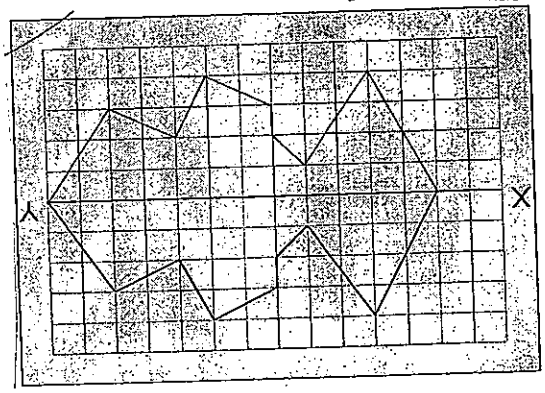
21)3/8, ¾, 7/8 **22)104°** **23)66°** **24)**



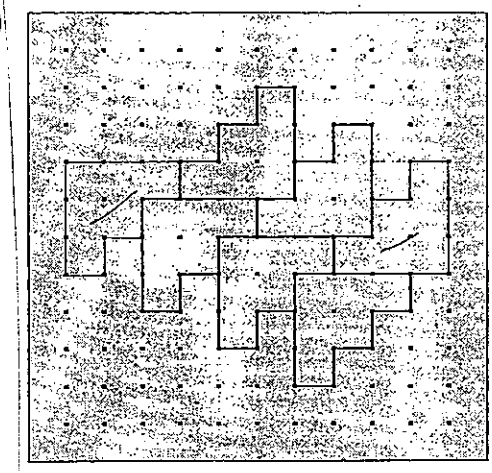
25)3cm **26)12cm** **27)0.016**

28)0.258 **29)29.0** **30)$14.85**

31)$92.75 **32)12.794km** **33)**



34)



35)English = 88
Mathematics= 90

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36)1unit→198cm÷ 11 = 18cm
Short rope→18cm
Long rope→18cm x 3 = 54cm

Check
54cn x 3 = 162cm
18cm x 2 = 36cm
162cm + 36cm = 198cm

Ans: 54cm

37)$0.45 x 4 = $1.80
1 notebook→$1.80 ÷ 9 = $0.20
15 notebook→$0.20 x 15 = $3

38)1 unit→300 ÷ 5 = 60
4 units→60 x 4 = 240
1 unit→240 ÷ 3 = 80
4 units→80 x 4 = 320
300 + 320 = 620

39)120cm + 120cm = 240cm
390cm – 240cm = 150cm
150cm x 2 = 300cm
480cm – 300cm = 180cm
180cm ÷ 2 = 90cm
90cm ÷ 2 = 45cm
90cm – 30cm = 60cm
1st→150cm x 9cm = 13500cm2
2nd→60cm x 120cm = 7200cm2
3rd→45cm x 120cm = 5400cm2
5400cm2 + 7200cm2 = 12600cm2
12600cm2 + 13500cm2 = 26100cm2

40)2 stickers→1unit
Vera→2 x 4 = 8
Bala→4

41)04 35

42)a)13 00 b)25 c)12 00 to 13 00 d)20 minutes

43)

HL	CL	TL	A(H)	A (C)	TA	C
40	40	80	10	20	30	√

Ans : 10

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