



**CATHOLIC HIGH SCHOOL
END-OF-YEAR EXAMINATION 2014
MATHEMATICS
PRIMARY 4**

Name : _____ ()

Class: Primary 4 _____

Date: 31 Oct 2014

Duration: 1 h 45 min

Parent's Signature: _____

Section A	40
Section B	40
Section C	20
Total Marks	100

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

For section A, shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 21 printed pages.

Section A: Multiple-Choice Questions (40 marks)

Questions 1 to 20 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 (OAS).

SHADE the oval completely. All diagrams are not drawn to scale.

1. Which number below is **10 more than** 8567?

(1) 8557

(2) 8568

8577

(4) 8667




2. Which of the following are common factors of 27 and 36?

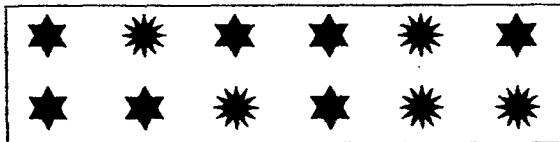
(1) 1 and 4

(2) 3 and 4

(3) 3 and 9

(4) 6 and 9

3. In the box below, there are identical  and . What fraction of the shapes in the box are  ?



(1) $\frac{5}{12}$

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

(3) $\frac{5}{7}$

(4) $\frac{7}{5}$

4. Find the value of $\frac{7}{12} - \frac{1}{3}$

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

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

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

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

5. Write $4\frac{2}{5}$ as a decimal.

(1) 4.025

(2) 4.25

(3) 4.04

(4) 4.4

6. In the number 97.86, the digit _____ is in the tenths place.

(1) 6

(2) 7

(3) 8

(4) 9

7. Lisa had 7 boxes of sweets, each containing 75 sweets. She repacked them into small packs of 5 sweets each. How many small packs did she have?

(1) 15

(2) 35

(3) 105

(4) 525

8. A farmer had an equal number of pears and apples at first. After throwing away 52 rotten pears and 100 rotten apples, he had three times as many pears as apples. How many apples was he left with?

(1) 16
(2) 24
(3) 48
(4) 72

9. Mrs Tan packed 171 muffins into some boxes. Each box contained 9 muffins. She sold each box of muffins at \$6. How much would she collect if she sold all the muffins?

(1) \$64
(2) \$114
(3) \$126
(4) \$654

10. 1 correction tape cost as much as 2 pencils. Tom paid \$12 for 2 correction tapes and 2 pencils. Find the cost of 1 correction tape.

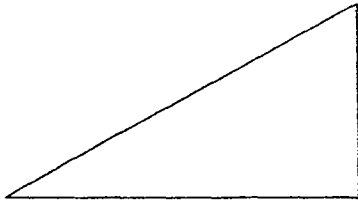
(1) \$6
(2) \$2
(3) \$3
(4) \$4

11. Lisa paid \$13.60 for 4 cakes and 4 buns. Each cake cost \$0.40 more than each bun. What was the cost of 1 bun?

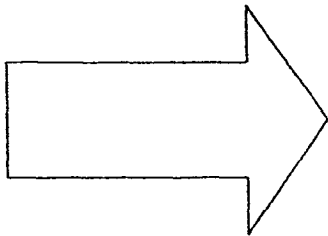
(1) \$1.30
(2) \$1.50
(3) \$1.70
(4) \$1.90

12. Which one of the following figures has a line of symmetry?

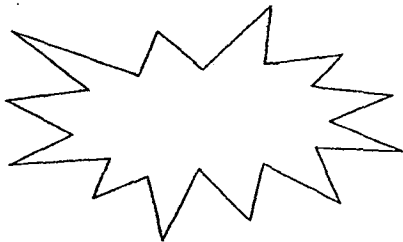
(1)



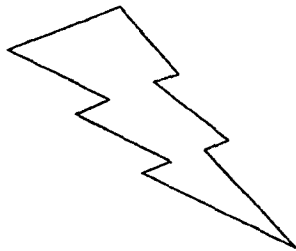
(2)



(3)

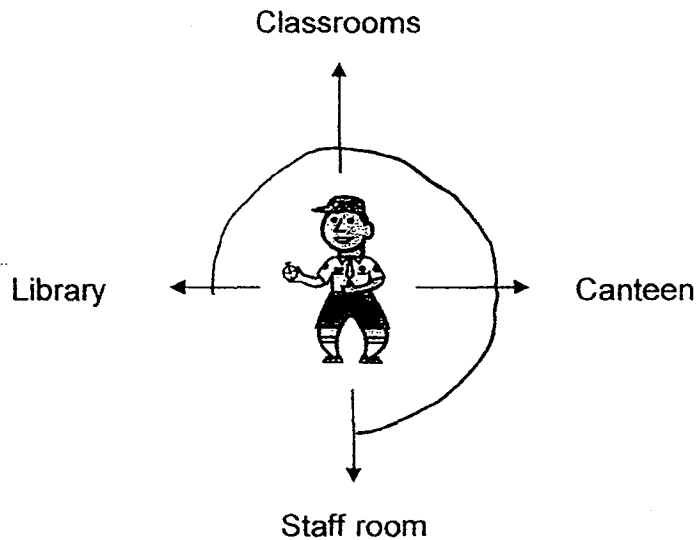


(4)



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13. John is facing the staff room now. After making a $\frac{3}{4}$ -turn in the anti-clockwise direction, where will he be facing?



- (1) Library
- (2) Canteen
- (3) Staff room
- (4) Classrooms

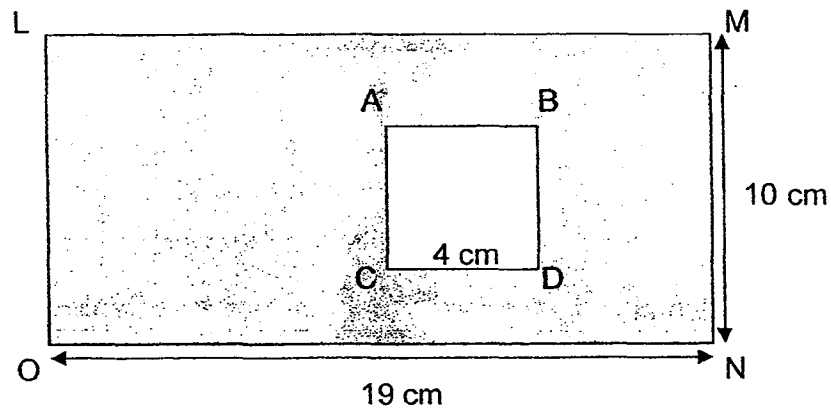
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14. A party ended at 00 15. The duration of the party was 3 h 45 min. What time did the party start?

- (1) 4 a.m.
- (2) 4 p.m.
- (3) 8.30 a.m.
- (4) 8.30 p.m.

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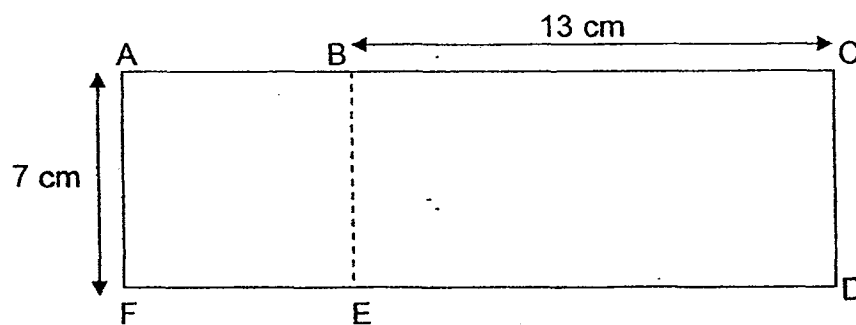
15. LMNO is a rectangle and ABCD is a square of side 4 cm. What is the area of the shaded part in the figure given below?



- (1) 16 cm^2
 (2) 76 cm^2
 (3) 174 cm^2
 (4) 190 cm^2

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16. The figure below is made up of a square ABEF and a rectangle BCDE. Find the perimeter of the figure, ABCDEF.



- (1) 20 cm
 (2) 40 cm
 (3) 54 cm
 (4) 61 cm

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17. Mrs Chandra bought $\frac{3}{5}$ kg of flour from a shop. She bought $\frac{9}{10}$ kg of flour less than Mrs Tan. How much flour did Mrs Tan buy?

- (1) $\frac{3}{10}$ kg
 - (2) $\frac{12}{15}$ kg
 - (3) $1\frac{1}{5}$ kg
 - (4) $1\frac{1}{2}$ kg
-

18. Jason and his sister bought a hamper for their grandmother on her birthday. The hamper cost \$252. Jason paid $\frac{4}{7}$ of the cost. How much did his sister pay?

- (1) \$36
- (2) \$84
- (3) \$108
- (4) \$144

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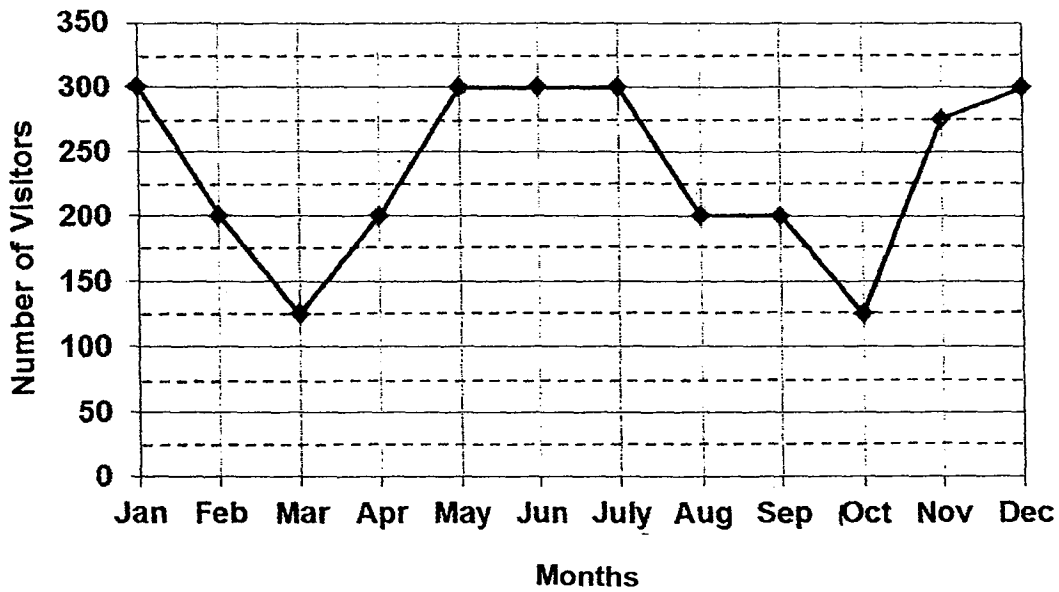
19. Sally spent $\frac{1}{6}$ of her money on food. She also bought a book for \$19. She was left with \$56. How much money did she spend on food?

- (1) \$15
- (2) \$37
- (3) \$75
- (4) \$90

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Study the graph below carefully and answer question 20.

The line graph shows the number of visitors who visited a particular website in a year.



20. What was the total number of visitors from October to December?

- (1) 175
- (2) 400
- (3) 475
- (4) 700

Section B: Short Answer Questions (40 marks)

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Question 21 to 40 carries 2 marks each. Write your answer in the blank provided.

21. Write the missing number in the number pattern below.

3661 , 3808 , 3955 , _____ , 4249

Ans: _____

22. Round off 73 501 to the nearest hundred.

Ans: _____

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

$$\frac{23}{6} = 3 \frac{\quad}{6}$$

Ans: _____

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

$$\frac{1}{2} , \frac{3}{5} , \frac{2}{5}$$

Ans: _____ , _____ , _____



25. Write 5 hundredths as a decimal.

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Ans: _____

26. $13.75 - 1.19 =$ _____.

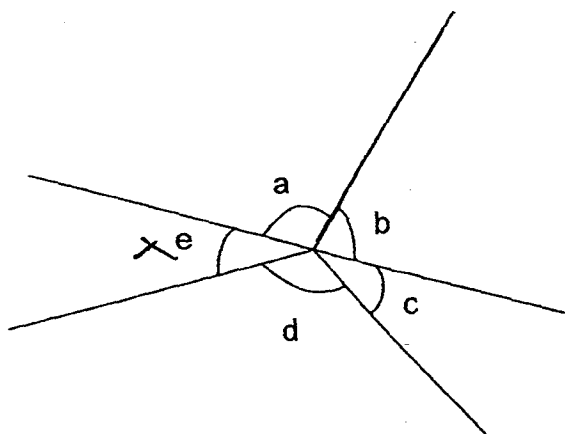
Ans: _____

27. Arrange the following decimals from the smallest to the greatest.

0.81 , 8.1 , 0.801 , 0.081

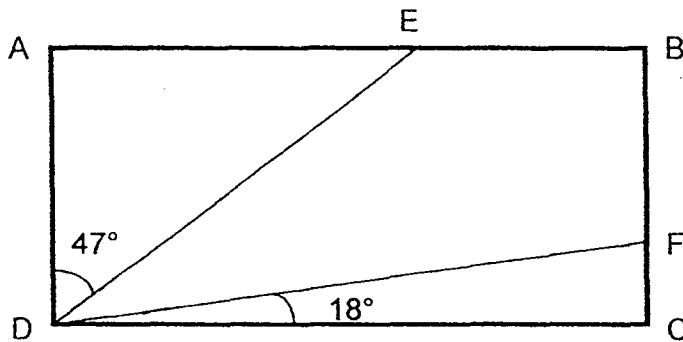
Ans: _____ , _____ , _____ , _____

28. In the figure below, name the two angles that are greater than 90°



Ans: \angle _____ and \angle _____

29. In the figure shown, ABCD is a rectangle. Find $\angle FDE$.



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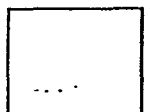
Ans: _____

30. Mr and Mrs Muhammad took their 2 children to a fair. An adult's ticket cost four times as much as a child's ticket. Mr Muhammad paid a total of \$80. What was the cost of a child's ticket?

Ans: \$_____

31. Ali changed \$245 into two-dollar notes and five-dollar notes. The number of two-dollar notes and five-dollar notes was the same. How many five-dollar notes did he get?

Ans: _____



32. At a supermarket, potato chips were sold at 2 packets for \$6. Sally bought 8 such packets. How much did she pay?

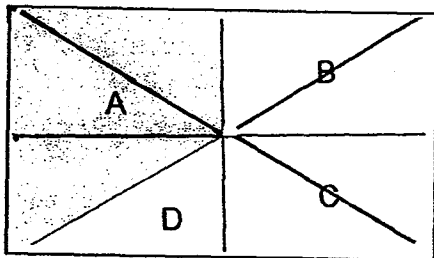
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Ans: \$ _____

33. Ali had \$360. He spent $\frac{7}{9}$ of his money on a leather jacket. How much did the leather jacket cost?

Ans: \$ _____

34. In the figure below, a rectangle is divided into 4 parts, A, B, C and D. A and D form half of the rectangle. The area of B and C are identical. What fraction of the figure is shaded?

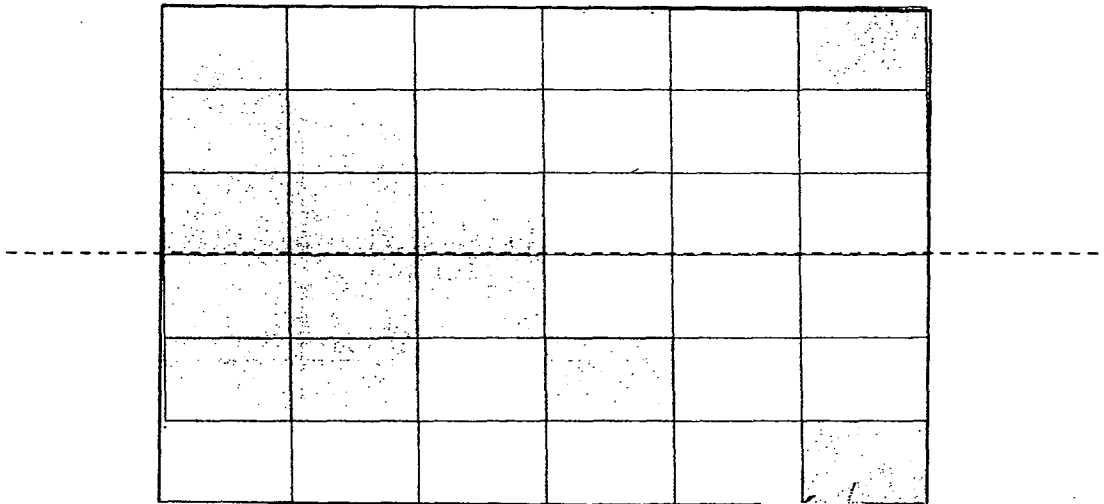


Ans: _____



35. The dotted line is a line of symmetry. Shade 2 more rectangles to make a symmetric pattern.

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36. The table below shows the movie schedule at a cinema.

SCREENING NOW		
Show	Start Time	Duration of Movie
Peter Wok	12.30 p.m., 2.30 p.m., 4.30 p.m.	1 h 25 min
Be Movie	3 p.m., 6 p.m.	2 h 15 min
Happy Fit	11.00 a.m., 1.30 p.m., 3.15 p.m.	1 h 35 min
Steel Man	3.05 p.m., 5.30 p.m.	2 h

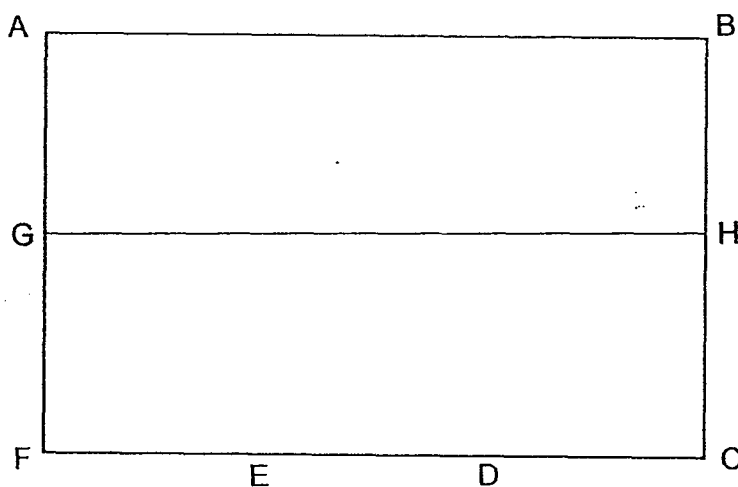
Alan arrives at the cinema at 3.00 p.m. . His father will pick him up at 5.00 p.m. . Which movie can Alan watch from the start to the end?

Ans. _____



37. The figure below is made up of a rectangle ABHG and three identical squares. The perimeter of the figure is 50 cm and $BH=HC$. Find the length of FE.

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Ans: _____ cm

38. The table below shows the favourite games of 379 children.

Games	Number of Children
Minecraft	?
Mooncraft	76
Crash of Clans	?

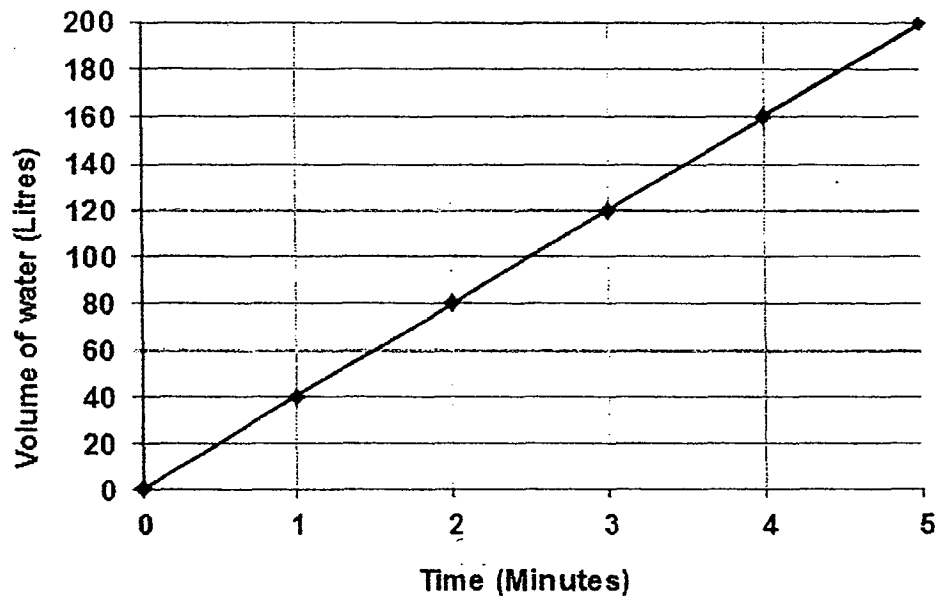
The number of children who likes Minecraft is two times that of those who likes Crash of Clans. How many children like Crash of Clans?

Ans: _____



Study the graph below carefully and answer question 39.

The following line graph shows the number of minutes it takes to fill a 200-litre tank with water.



39. How long would it take to fill the tank with 160 litres of water?

Ans: _____ minutes

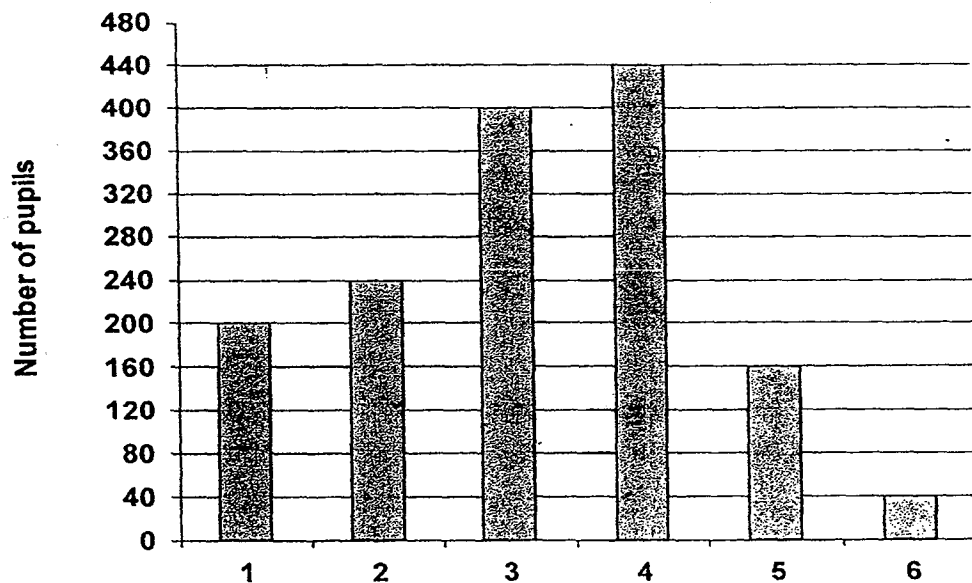
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Study the graph below carefully and answer question 40.

The following bar graph shows the number of pupils who borrowed books from the library in June 2014.

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40. How many pupils borrowed more than 3 books?

Ans: _____

Section C: Long Answer Questions (20 marks)

Question 41 to 45 carries 4 marks each. Write your answer in the blank provided. Show your workings clearly.

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41. Alice, Betty and Chris had 890 stamps altogether. Alice had thrice as many stamps as Betty. Chris had 20 stamps more than Betty. How many stamps did Chris have?

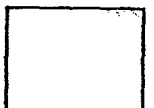
Ans: _____ [4]



42. Adam has 336 stickers. He has six times as many stickers as his brother, Bruce. How many stickers must Adam give Bruce so that both of them will have an equal number of stickers?

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Ans: _____ [4]



43. Alan, Ben and Clara went shopping. Alan and Ben spent a total of \$225. Alan and Clara spent \$585 altogether. Clara spent 4 times as much as Ben. How much did Alan spend?

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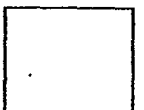
Ans: _____ [4]



44. Tom and Jerry have the same number of stamps at first. After Tom gave 60 stamps to Jerry, Jerry has 9 times as many stamps as Tom. How many stamps does each of them have at first?

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Ans: _____ [4]



45. There are 37 coins in a bag, consisting of 20-cents and 50-cents coins only.
Given that the total amount in the bag is \$14.60, how many 50-cent coins are there in the bag?

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Ans: _____ [4]



END OF PAPER
Have you checked your work?

EXAM PAPER 2014**LEVEL : PRIMARY 4****SCHOOL : CATHOLIC HIGH****SUBJECT : MATHS****TERM : SA2****Section A**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	3	2	4	4	3	3	2	2	4
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
2	2	1	4	3	3	4	3	1	4

Section B

Q21 4102

Q22 73 500

Q23 5

Q24 $\frac{2}{5}, \frac{1}{2}, \frac{3}{5}$

Q25 0.05

Q26 12.56

Q27 0.081, 0.801, 0.81, 8.1

Q28 $\angle a$ and $\angle b$ Q29 25°

Q30 \$8

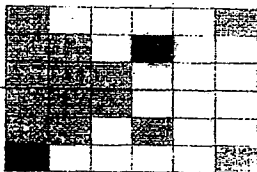
Q31 35

Q32 \$24

Q33 \$280

Q34 $\frac{3}{8}$

Q35



Q36 Happy Fit

Q37 5 cm

Q38 101

Q39 4 minutes

Q40 640

Section C

Q41 $890 - 20 = 870$
 $870 \div 5 = 174$
 $174 + 20 = \mathbf{194}$

Q42 $336 \div 6 = 56$
 $336 + 56 = 392$
 $392 \div 2 = 196$
 $336 - 196 = \mathbf{140}$

Q43 $\$585 - \$225 = \$360$
 $\$360 \div 3 = \120
 $\$225 - \$120 = \mathbf{\$105}$

Q44 $9 \text{ unit} - 1 \text{ unit} = 8 \text{ unit}$
 $8 \text{ unit} \rightarrow 120$
 $1 \text{ unit} \rightarrow 15$
 $16 + 60 = \mathbf{75}$

Q45 Assume all are 20¢ coins

$$20¢ \times 37 = 740¢$$
$$1460¢ - 740¢ = 720¢$$
$$50¢ - 20¢ = 30¢$$
$$720¢ \div 30¢ = \mathbf{24}$$

