



Catholic High School
Mid-Year Examination 2009
Mathematics
Primary 4

Name : _____ ()

Class: Primary 4 _____

Date: 14 May 2009

Duration: 1 h 45 min

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

Parent's Signature: _____

There are 3 sections consisting of **19** pages in this paper.

Section A: Multiple-Choice Questions (MCQ) 20 x 2 marks

Section B: Short-Answer Questions 20 x 2 marks

Section C: Long-Answer Questions 5 x 4 marks

Section A : Multiple-Choice Questions (40 marks)

For Questions 1 – 20, choose the correct answer and shade its number 1, 2, 3 or 4 in the Optical Answer Sheet (OAS) provided. Please use only 2B pencil and **SHADE** the oval completely. Each question carries 2 marks.

1. In 37 964, the digit 9 is in the _____ place.
- (1) ones
(2) tens
(3) hundreds
(4) thousands
2. 1505 less than 4263 is _____.
- (1) 1505
(2) 2758
(3) 4263
(4) 5768
3. Look at the numbers below. Which number is a common multiple of 4 and 6?
- | | | | |
|----|----|----|----|
| 18 | 36 | 42 | 50 |
|----|----|----|----|
- (1) 18
(2) 36
(3) 42
(4) 50
4. Find the remainder when 2406 is divided by 9.
- (1) 1
(2) 2
(3) 3
(4) 4

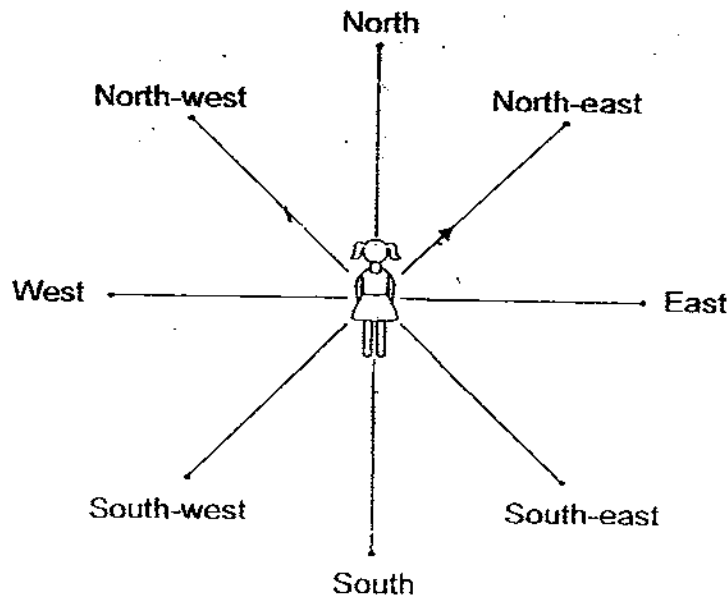
From the figure below, how many angles inside the figure are more than 90°?



- (1) 5
- (2) 2
- (3) 3
- (4) 4

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6.



Sara is facing northeast. When she makes a $\frac{3}{4}$ turn to her right, she will be facing _____.

- (1) North-west
- (2) South-east
- (3) South
- (4) West

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7. How many eighths are there in $2\frac{3}{8}$?

- (1) 13
- (2) 16
- (3) 19
- (4) 48

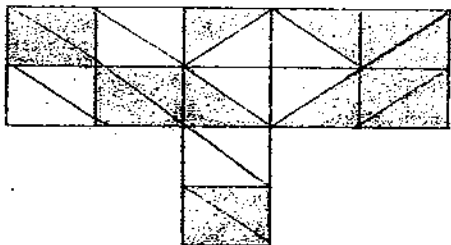
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8. Express $\frac{2}{3} + 1\frac{5}{6}$ as a mixed number.

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

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9. The figure below is made up of 12 rectangles.



What fraction of the figure is shaded? (Express the answer in its simplest form.)

- (1) $\frac{9}{16}$
- (2) $\frac{7}{12}$
- (3) $\frac{5}{12}$
- (4) $\frac{5}{16}$

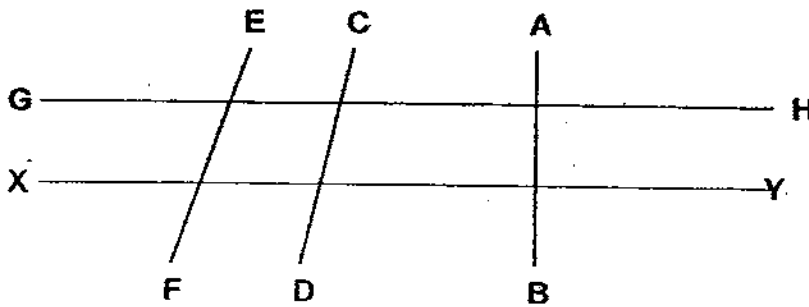
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Jaslyn spent \$84 on 9 pieces of blue and red skirts. Each blue skirt cost \$6 while each red skirt costs \$12. How many red skirts did she buy?

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

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11. Study the figure below carefully and answer the following question.



Which line is perpendicular to XY ?

- (1) AB
- (2) CD
- (3) EF
- (4) GH

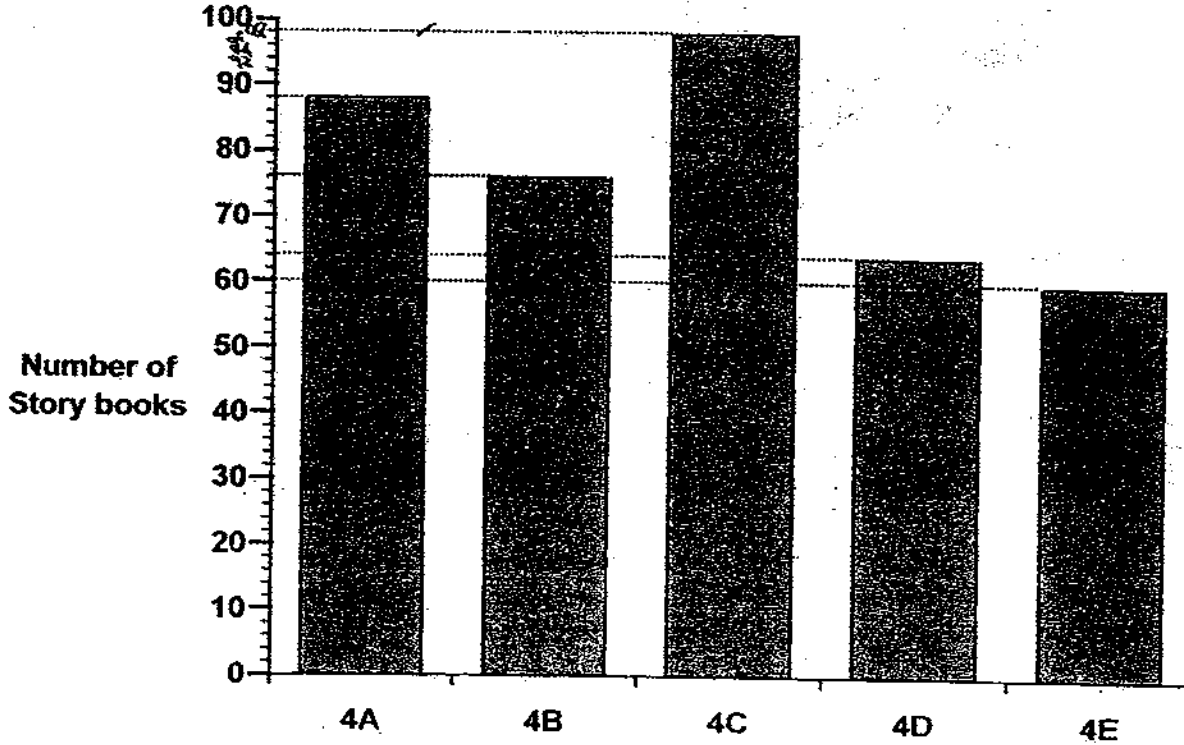
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12. 99 851 is _____ when rounded off to the nearest hundred.

- (1) 99 800
- (2) 99 850
- (3) 99 900
- (4) 100 000

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The graph below shows the number of story books read by five Primary 4 classes in one month. Study the graph carefully and answer questions 13 and 14.



13. What is the total number of story books read by the five Primary 4 classes?

- (1) 373
- (2) 386
- (3) 388
- (4) 390

()

14. Class 4C reads _____ more story books than Class 4E.

- (1) 34
- (2) 38
- (3) 98
- (4) 158

()

15. A story book has twice the number of pages of a newspaper. If 2 such story books and 5 such newspapers have a total of 603 pages, find the number of pages in 1 story book.

- (1) 67
- (2) 134
- (3) 201
- (4) 268

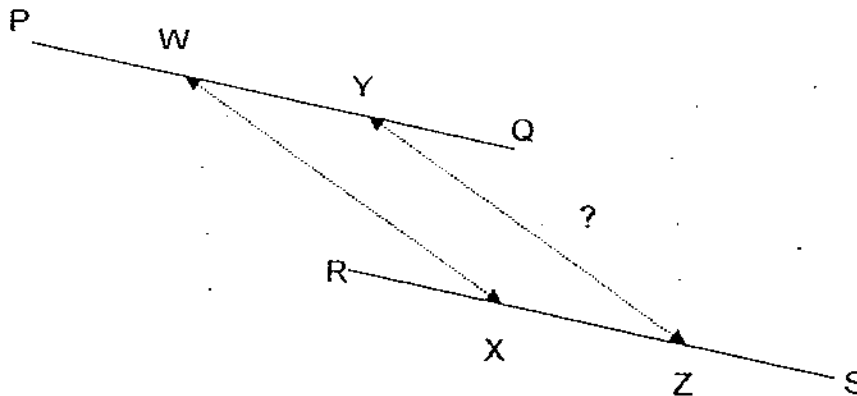
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16. In a school hall, 789 chairs are arranged in equal rows. If Mr Tan wants to have 6 chairs in each row, how many extra chairs are there?

- (1) 1
- (2) 2
- (3) 3
- (4) 4

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17. Lines PQ and RS are parallel to each other. WY and XZ are both 5 cm. If WX is 10 cm, what is the length of YZ?



- (1) 5 cm
- (2) 10 cm
- (3) 15 cm
- (4) 20 cm

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18. $\frac{3}{4}$ of the stickers in album A is equal to $\frac{1}{2}$ of the stickers in album B. There are 156 stickers in album B. What is the total number of stickers in both albums?

- (1) 78 stickers
- (2) 104 stickers
- (3) 156 stickers
- (4) 260 stickers

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19. The product of all the factors of 10 is _____.

- (1) 5
- (2) 2
- (3) 50
- (4) 100

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20. John used $\frac{2}{9}$ of a ribbon to tie some parcels and $\frac{1}{4}$ of it to tie some knots. What fraction of the ribbon was left?

- (1) $\frac{1}{36}$
- (2) $\frac{2}{36}$
- (3) $\frac{17}{36}$
- (4) $\frac{19}{36}$

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Section B: Short Answer Questions (40 marks)

21

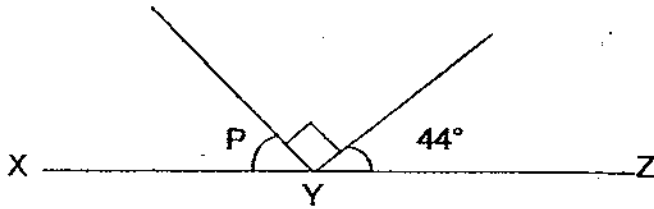
Question 21 to 40 carries 2 marks each. Write your answer in the blank provided.

Do not write in this space

21. A number when rounded off to the nearest ten is 470. The smallest possible value of this number is _____

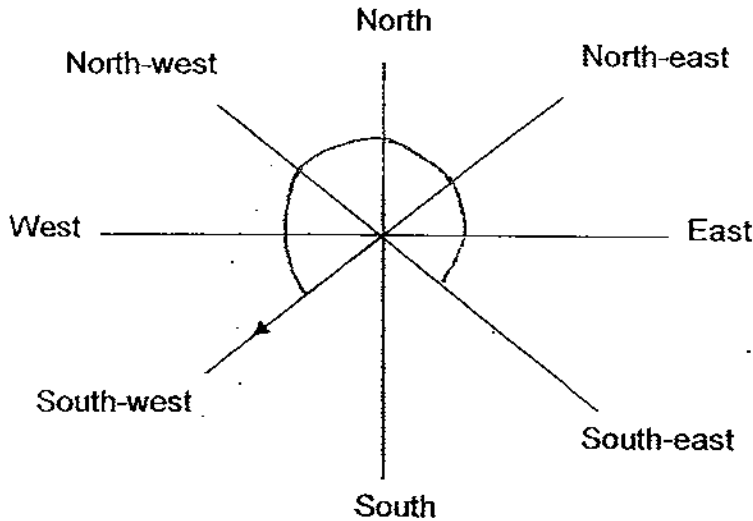
Answer: _____

22. XYZ is a straight line. Find $\angle P$.



Answer: _____

23. Use the 8-point compass shown below to answer the question below.



If you are facing the direction of South-west and makes a 270° turn in a clockwise-direction, which direction will you be facing after making the turn?

Answer: _____

SCORE

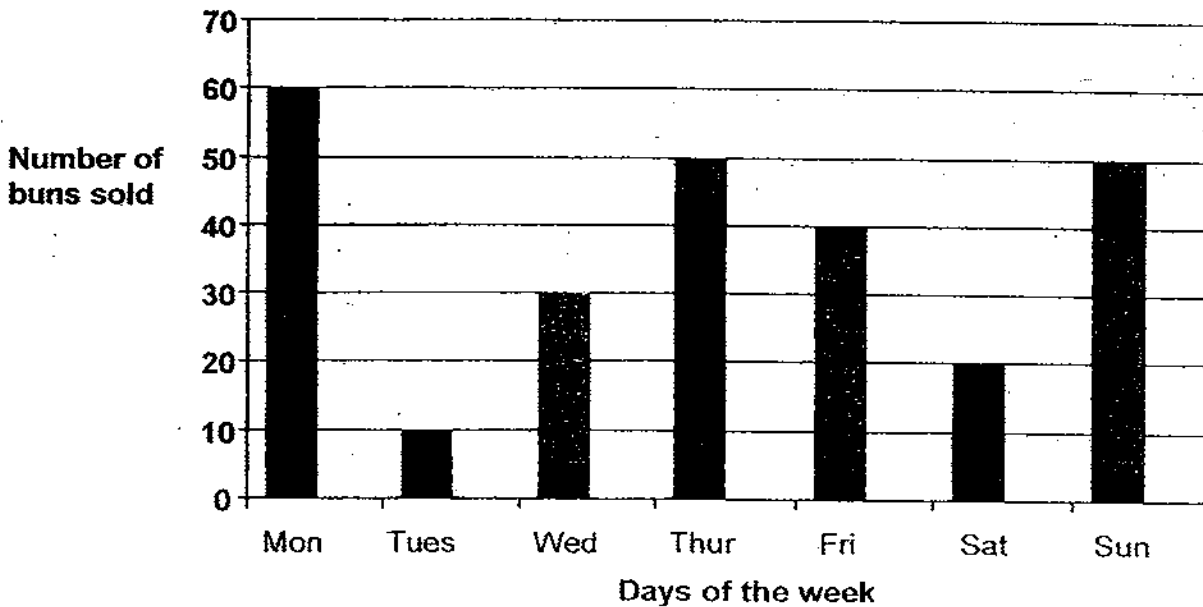
24. Arrange the following in ascending order:

82 520, 37 005, 82 821, 37 050, 82 125

Answer: _____

Do not write
in this space

Study the graph below carefully and answer questions 25 and 26. The graph shows the number of buns sold in a bakery during a week.



25. On which two days were the same number of buns sold?

Answer: _____ and _____

26. The number of buns sold on Saturday was $\frac{1}{3}$ the number of buns sold on _____.

Answer: _____

SCORE

27. $\frac{1}{4}$ of the people at a concert are men. $\frac{3}{5}$ of them are women and the remaining 36 are children. How many people are at the concert?

Do not write
in this space

Answer: _____

28. Mr Tan is 31 years old. His son is 4 years old. In how many years' time will he be 4 times as old as his son?

Answer: _____ years

29. Joanne baked some egg tarts over the weekend.
She used $2\frac{1}{4}$ kg of flour on Saturday and another $\frac{5}{8}$ kg of flour on Sunday.
How many kilograms of flour did she use for both days?

Answer: _____ kg

10. A box contains 37 red marbles. There are thrice as many blue marbles as red marbles. How many more blue marbles than the red marbles are there in the box?

Answer: _____

SCORE

31. Xavier bought a soccer ball, a baseball bat and a pair of jeans. The baseball bat costs \$25 more than the soccer ball and the pair of jeans cost \$15 more than the baseball bat. If he paid \$170 in all, how much was the soccer ball?

Do not write
in this space

Answer: \$ _____

32. Joseph and Tom had the same amount of money. After Joseph had spent \$48, Tom had thrice as much as Joseph. How much did each of them have at first?

Answer: \$ _____

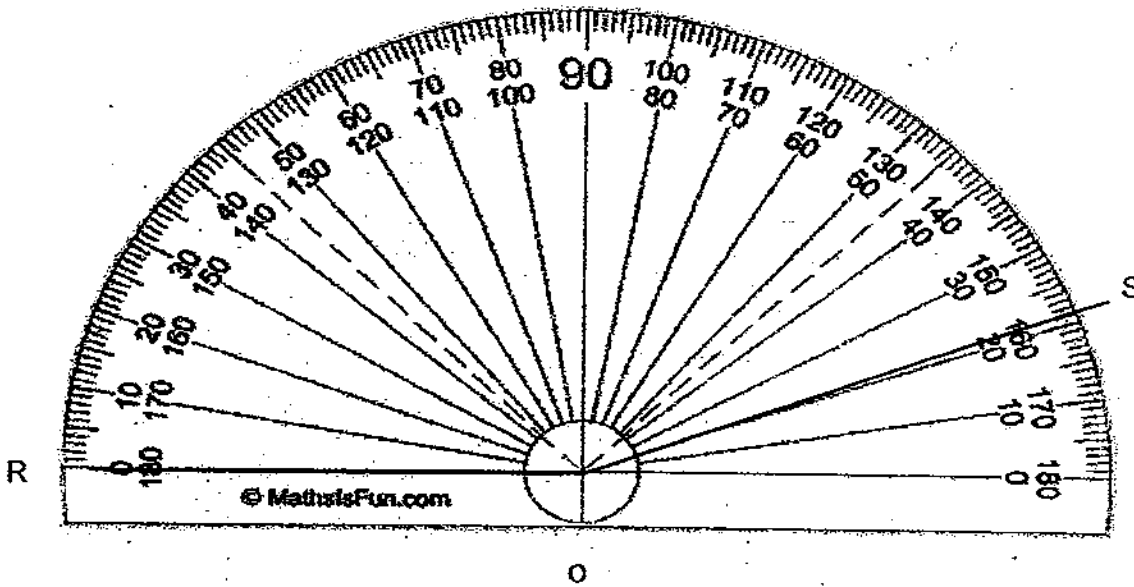
33. There were 72 paper clips in a box. Gordon took 16 of them and Candy took some too. $\frac{3}{8}$ of paper clips were left in the box. How many paper clips did Candy take?

Answer: _____

SCORE

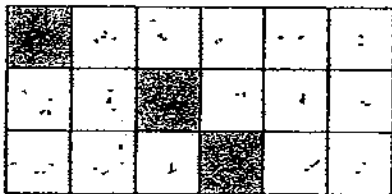
34. Find $\angle ROS$ using the protractor given below.

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Answer: $\angle ROS =$ _____ $^\circ$

35. If $\frac{5}{9}$ of the squares is to be shaded, how many more squares must I shade?



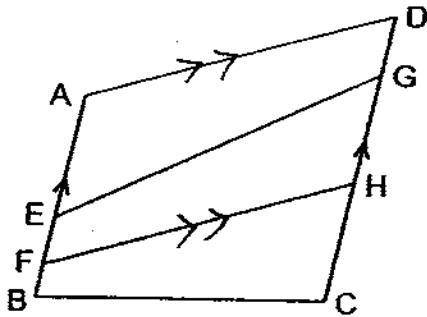
Answer: _____

36. Jasper bought 15 packets of sweets. There were 16 sweets in each packet. He shared them equally with his 3 friends, George, Elliot and Jotham. How many sweets did each of them get?

Answer: _____ sweets

SCORE

37. In the figure, $AB \parallel DC$. Name another set of parallel lines.



Do not write in this space

Answer: _____ // _____

38. The sum of 2 numbers is 112. One of the numbers is thrice of the other, find the larger number.

Answer: _____

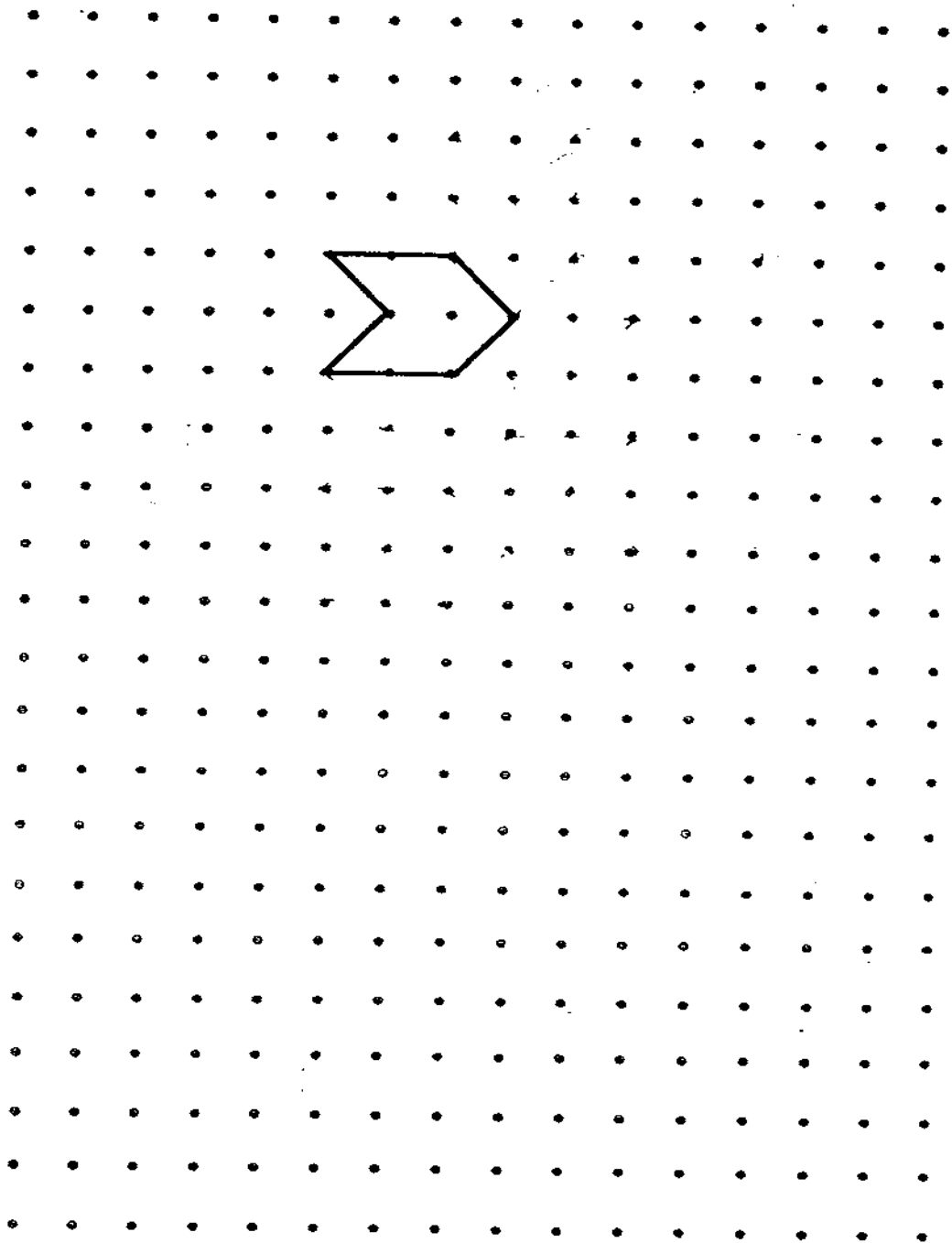
39. There are 48 sheep and chickens in a farm. There are 8 more sheep than chickens. Given that there are a total of 152 legs, how many sheep are there?

Answer: _____

SCORE

40. The pattern in the box shows part of a tessellation. Extend the tessellation by drawing another 4 unit shapes in the spaces provided within the box.

Do not write in this space



SCORE

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.

Do not write
in this space

41) Andy used $\frac{2}{7}$ of a cloth to make a dress.

He also used $1\frac{1}{2}$ m of the remaining cloth to make a shirt. If he bought 5 m of cloth at first, what was the length of the cloth he had left?

Answer: _____ (4m)

SCORE

42. Richard and Ivan went on a tour together.
Richard brought 4 times as much money as Ivan.
After Richard spent \$400 and Ivan spent \$40, they had equal amount of money left.
How much money had each of them left?

Do not write
in this space

Answer: _____ (4m)

43. There were 3 times as many boys as girls at a competition. After 5 girls left the competition, the number of boys at the competition was 6 times the number of the remaining girls. How many boys attended the competition at first?

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in this space

Answer: _____ (4m)

SCORE

44. There are altogether 114 beans in bags A, B and C.
There are 8 more beans in bag A than B.
The number of beans in bag C is twice the total number of beans in bags A and B.
How many more beans are there in bag C than B?

Do not write
in this space

Answer: _____ (4m)

45. The numbers 1 to 100 are written in columns as follows:

Do not write
in this space

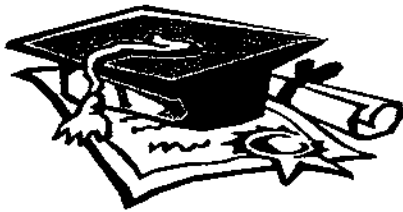
A	B	C	D	E	F	G
1	2	3	4	5	6	7
13	12	11	10	9	8	
	14	15	16	17	18	19
25	24	23	22	21	20	
	26	27	28	29	30	31
37	36	35	34	33	32	
	38
.

- (a) In which column will the number 50 be found?

- (b) In which column will the number 80 be found?

Answer: (a) Column _____ (2m)

(b) Column _____ (2m)

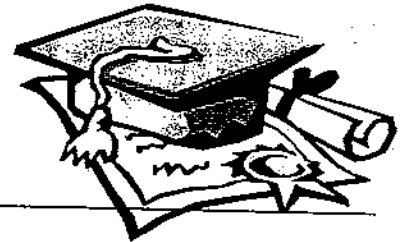


ANSWER SHEET

EXAM PAPER 2009

SCHOOL : CATHOLIC HIGH PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

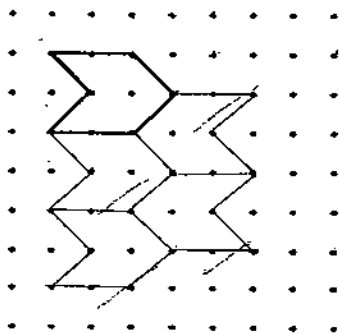
TERM : SA1



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

Q18	Q19	Q20
4	4	4

- 21)465 22)46° 23)South-east 24)37005,37050,82125,82520,82821
 25)Thursday and Sunday 26)Monday 27)240 people 28)5
 29)27/8kg 30)74 more 31)\$35 32)\$72 33)29 paper clips
 34)159° 35)7 more 36)60 37)AD//FH 38)84 39)28 sheep
 40) 41) 31/14m 42)\$80 43)30



44)53

45)a)B b)F