



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.

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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

( )

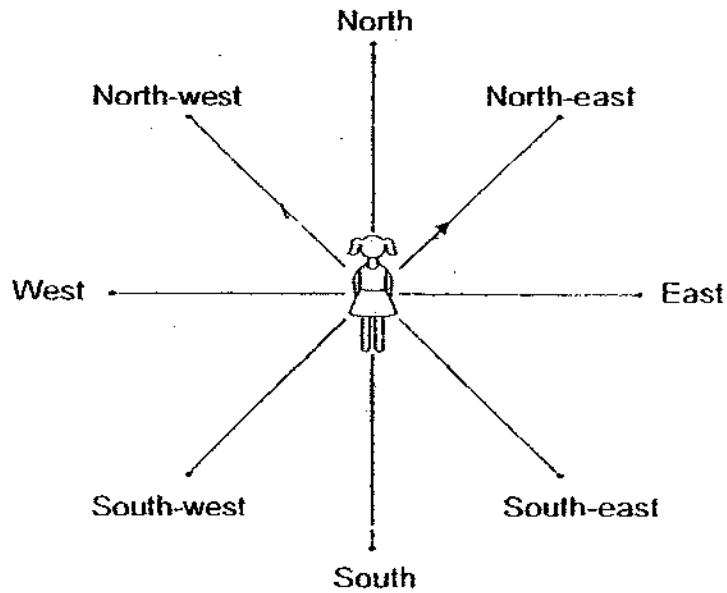
5. From the figure below, how many angles inside the figure are more than  $90^\circ$ ?



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

( )

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

( )

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

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

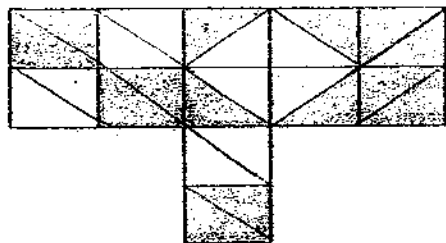
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8. Express  $\frac{2}{3} + 1\frac{5}{6}$  as a mixed number.

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

( )

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)  $\frac{5}{16}$

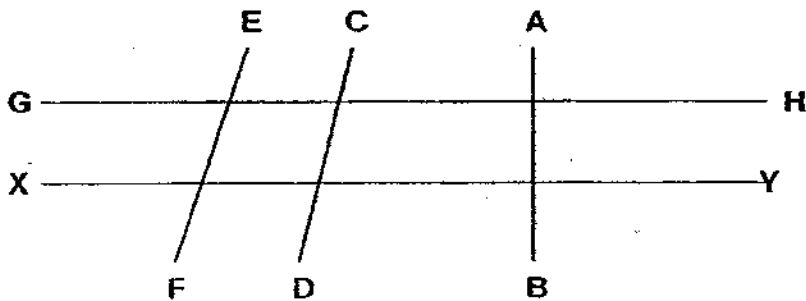
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10. Jaslyn spent \$84 on 9 pieces of blue and red skirts. Each blue skirt cost \$6 while each red skirt costs \$12. How many red skirts did she buy?

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

( )

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

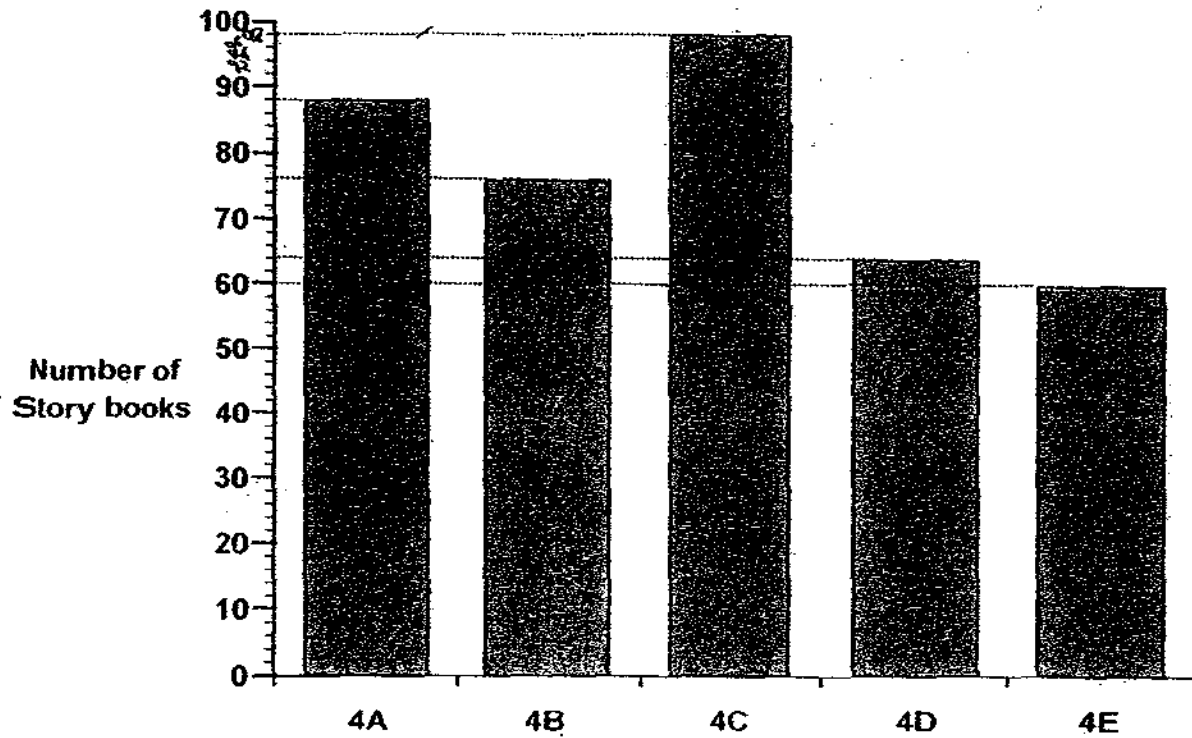
( )

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

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

( )

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

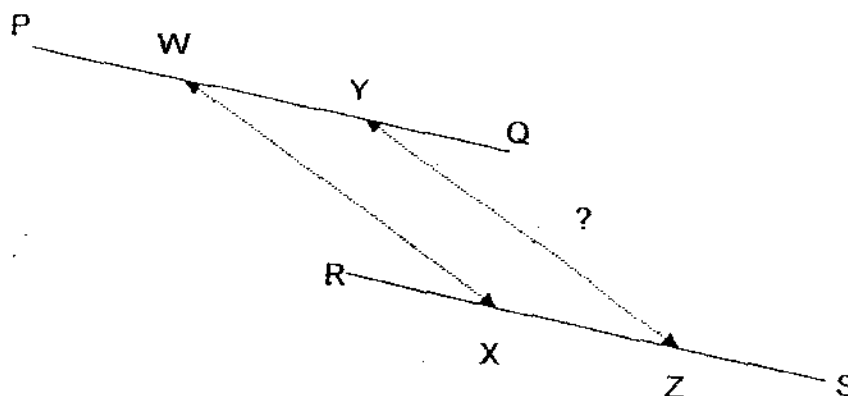
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16. In a school hall, 789 chairs are arranged in equal rows. If Mr Tan wants to have 6 chairs in each row, how many extra chairs are there?

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

( )

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

( )

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

( )

19. The product of all the factors of 10 is \_\_\_\_\_.

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

( )

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)  $\frac{19}{36}$

( )

**Section B: Short Answer Questions (40 marks)**

21

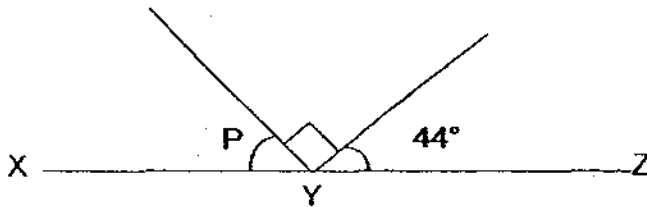
Question 21 to 40 carries 2 marks each. Write your answer in the blank provided.

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

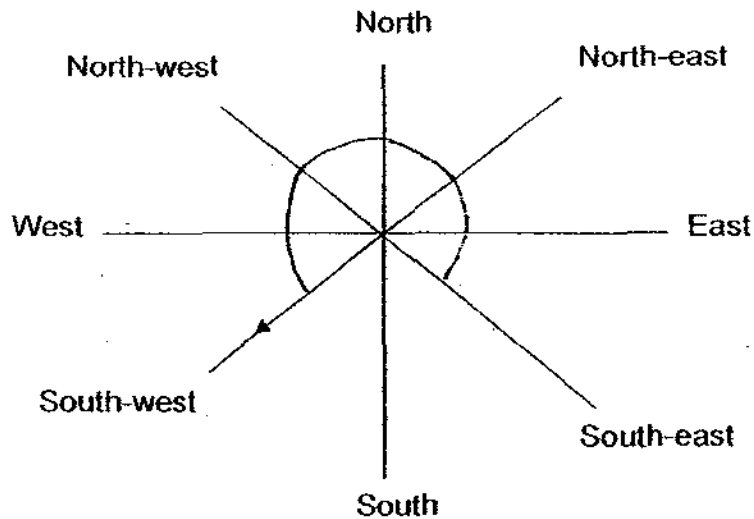
Answer: \_\_\_\_\_

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: \_\_\_\_\_

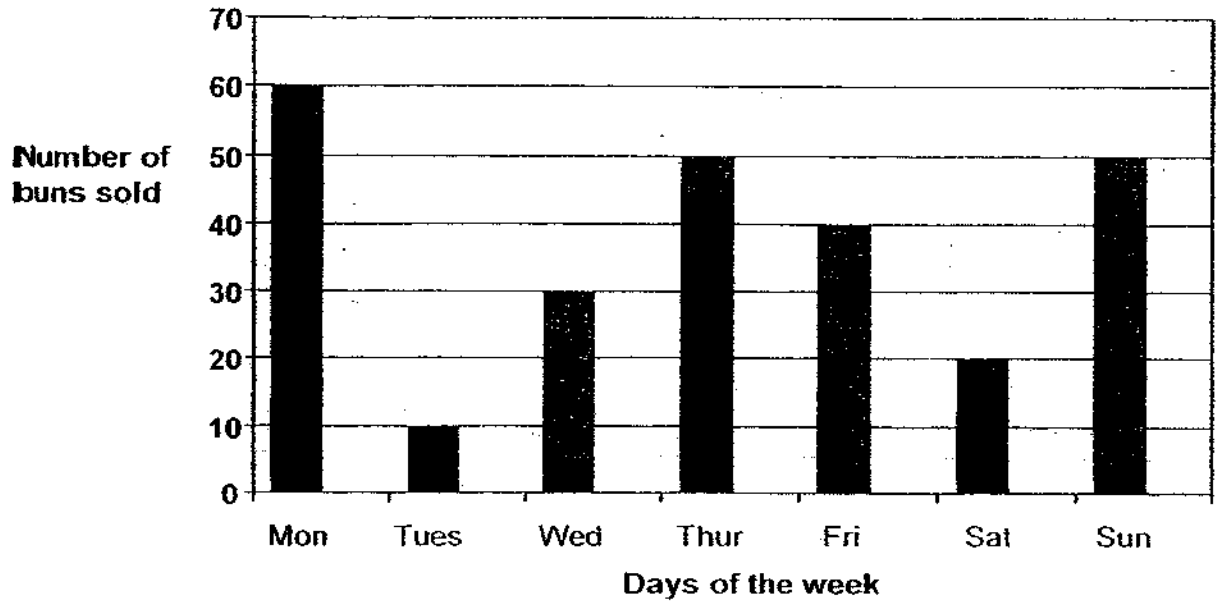
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24. Arrange the following in ascending order:  
82 520, 37 005, 82 821, 37 050, 82 125

Answer: \_\_\_\_\_

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?

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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

30. 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

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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?

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: \$ \_\_\_\_\_

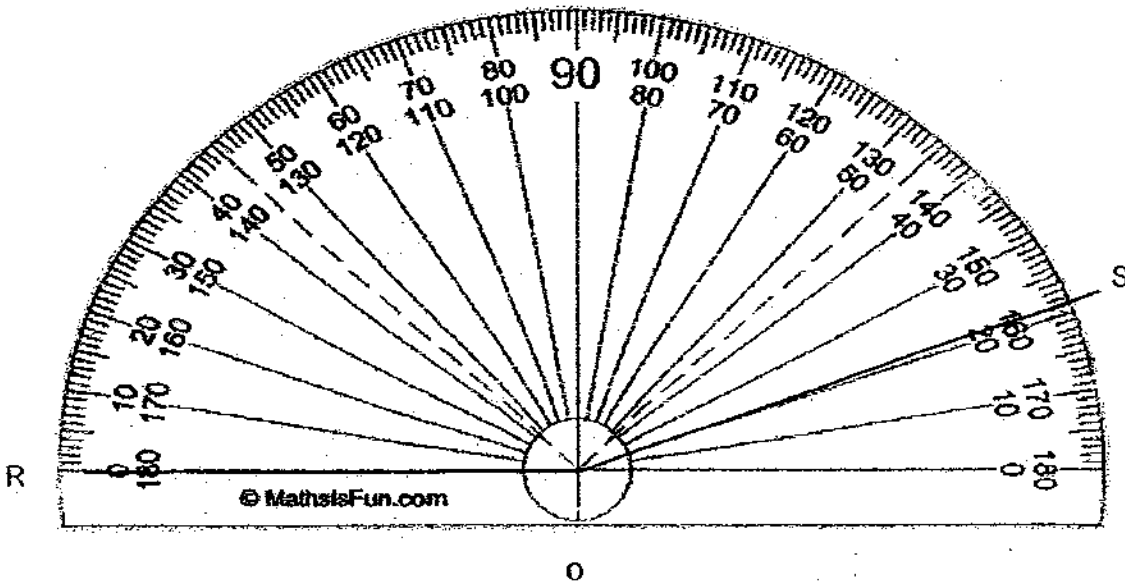
33. There were 72 paper clips in a box. Gordon took 16 of them and Candy took some too.  $\frac{3}{8}$  of paper clips were left in the box. How many paper clips did Candy take?

Answer: \_\_\_\_\_

SCORE

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



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

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



Answer: \_\_\_\_\_

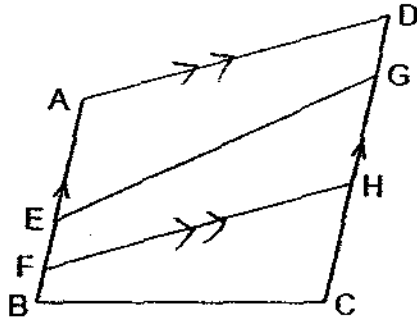
36. Jasper bought 15 packets of sweets. There were 16 sweets in each packet. He shared them equally with his 3 friends, George, Elliot and Jotham. How many sweets did each of them get?

Answer: \_\_\_\_\_ sweets

SCORE

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

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Answer: \_\_\_\_\_ // \_\_\_\_\_

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

Answer: \_\_\_\_\_

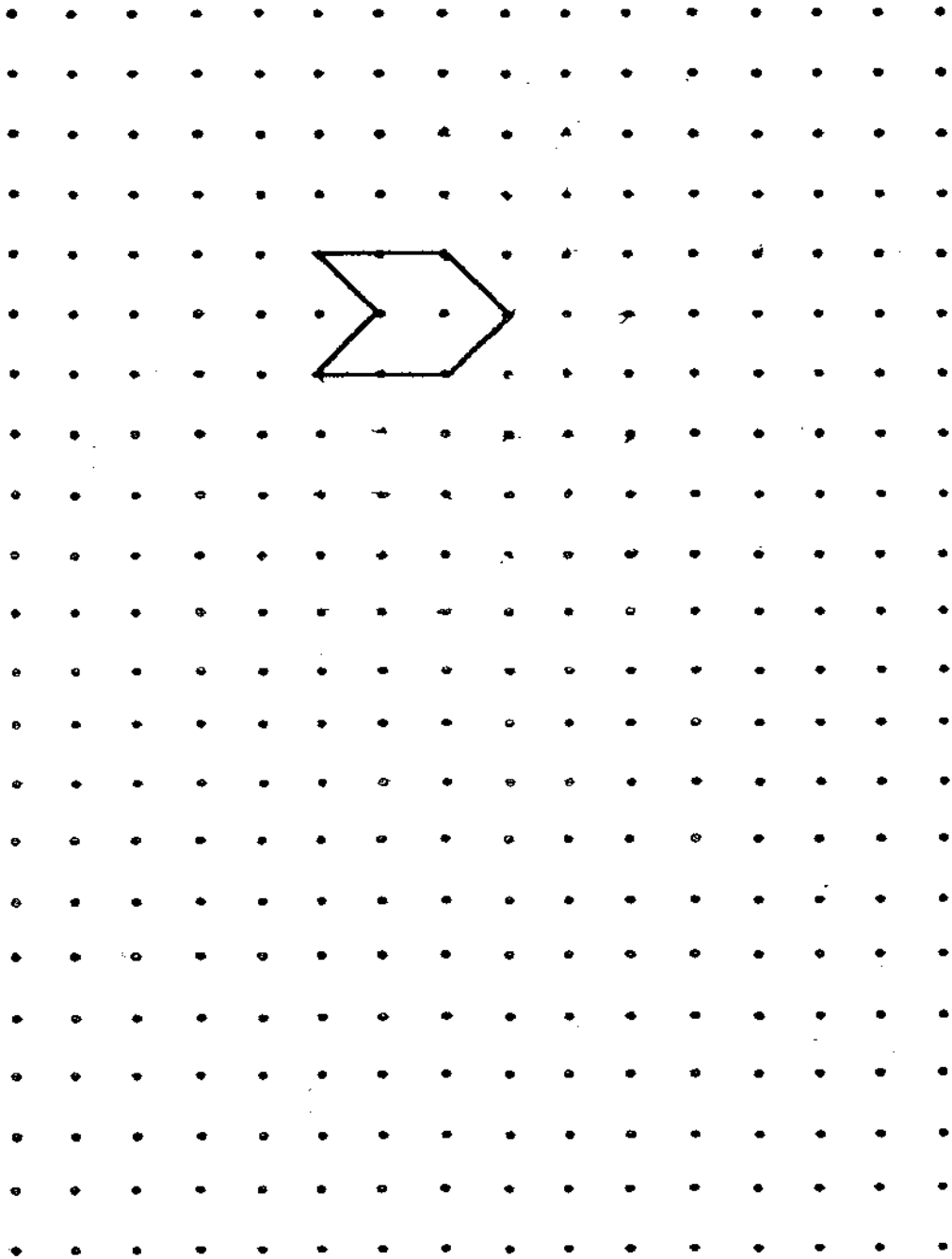
39. There are 48 sheep and chickens in a farm. There are 8 more sheep than chickens. Given that there are a total of 152 legs, how many sheep are there?

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.

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SCORE

**Section C: Long Answer Questions (20 marks)**

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

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?

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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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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?

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Answer: \_\_\_\_\_ (4m)

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

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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)

SCORE

