Anglo-Chinese School
(Junior)

SEMESTRAL ASSESSMENT 2 (2011)
PRIMARY 4

MATHEMATICS

BOOKLET A

Friday   28 October 2011   1 h 45 min

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 20 questions in this booklet.

Answer ALL questions.

Name:...(   )

Class:................

Parent's Signature :_____

This question paper consists of 9 printed pages. (Inclusive of cover page)

For each of the following questions, four options are given. Choose the correct answer (1, 2, 3 or 4) and shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. Write 786 tenths as a decimal.

    (1)   0.786
    (2)   7.86
    (3)   78.6
    (4)   786

2. In 923.46, the digit 6 is in the _____ place.

    (1)   tens
    (2)   hundreds
    (3)   tenths
    (4)   hundredths

3. Express $3\frac{1}{8}$ as a decimal.

    (1)   3.125
    (2)   3.18
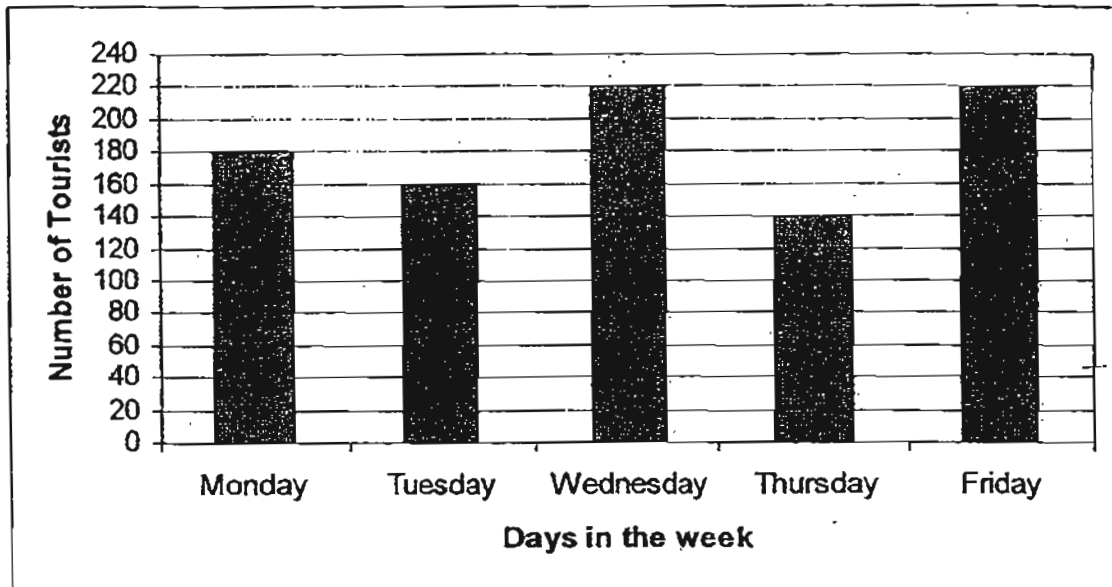   (3)   31.25
    (4)   31.8

4. $10.35 \times 9 =$ _____.

    (1)   19.35
    (2)   90.15
    (3)   90.35
    (4)   93.15

5. $7.001 = 7 + \dfrac{1}{\Box}$

    What is the missing number in the box?

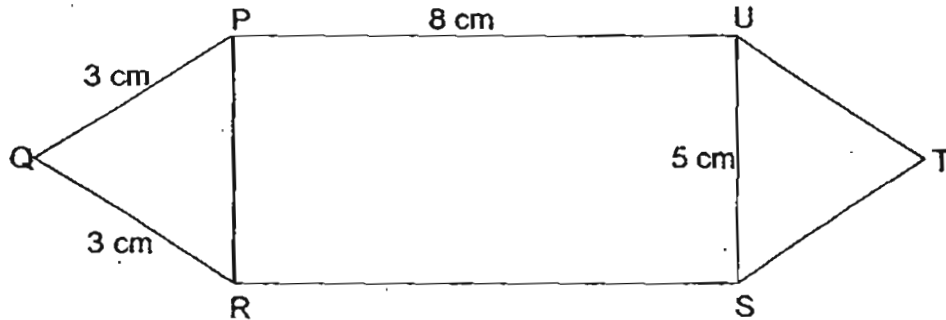   (1)   1
    (2)   10
    (3)   100
    (4)   1000

6. The bar graph below shows the number of tourists who came to Singapore over 5 days.

Based on the graph, what is the fraction of the least number of tourists as compared to the total number of tourists who came to Singapore?

(1) $\dfrac{7}{46}$

(2) $\dfrac{8}{46}$

(3) $\dfrac{9}{46}$

(4) $\dfrac{11}{46}$

7. The figure is made up of a rectangle and 2 identical triangles.
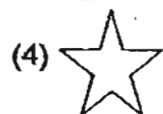   If QP=QR, find the perimeter of the figure.
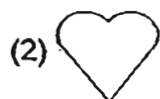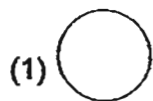

   (1) 22 cm
   (2) 28 cm
   (3) 38 cm
   (4) 52 cm

8. Find the area of the shaded part of the figure below.
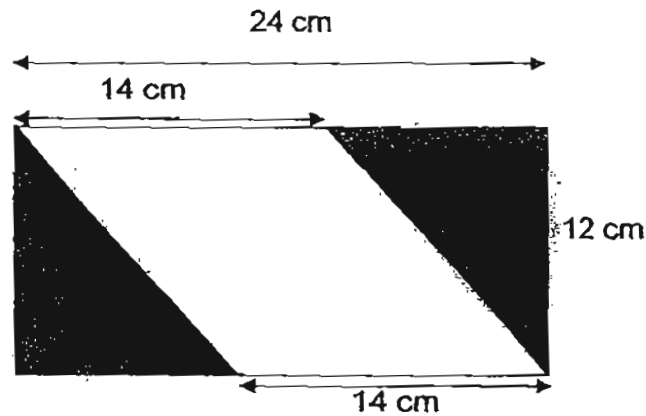
   (1) 120 cm ^{2}
   (2) 168 cm ^{2}
   (3) 288 cm ^{2}
   (4) 336 cm ^{2}

9. Which of the following shapes can be tessellated?

(1) ◯

(2) ♡

(3) ◖

(4) ☆

10. Anita is at point X, facing East.

Which direction will she face if she turns 135 ° in the anti-clockwise direction?

North

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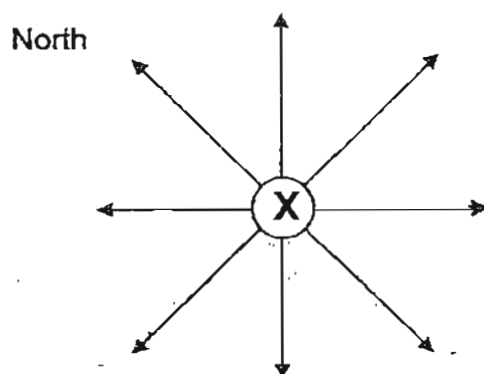
(1) South
(2) North-west
(3) West
(4) South-west

11. Identify a pair of parallel lines from the figure below.
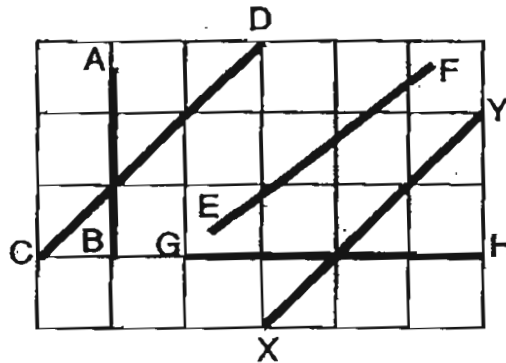
(1) AB and CD
(2) XY and EF
(3) AB and GH
(4) CD and XY

12. Which of the following is a common multiple of 4 and 6?

(1) 2
(2) 10
(3) 12
(4) 18

13. 25 thousands and 2 tens is the same as _____.

(1) 2502
(2) 2520
(3) 25 002
(4) 25 020

14. Study the figures below.

Figure 1
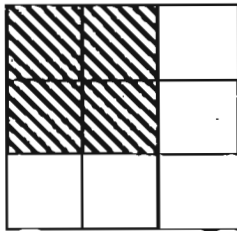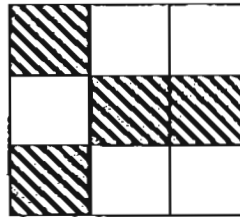

Figure 2
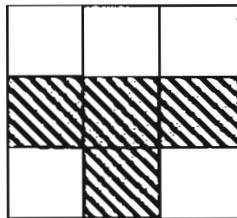

Figure 3
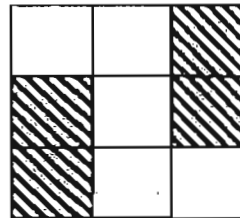
Figure 4

Which figure does not have a line of symmetry?

(1) Figure 1
(2) Figure 2
(3) Figure 3
(4) Figure 4

15. What fraction of the figure is shaded?
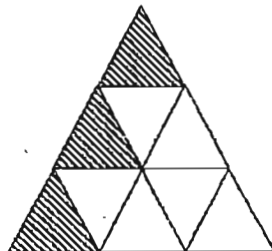
(1) $\frac{1}{2}$

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

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

(4) $\frac{3}{8}$

16. Wendy had a 5 m long ribbon. She used $3\frac{3}{5}$ m of it to wrap a present.
How many metres of ribbon had she left?

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

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

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

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

17. Alex and George won a total of 84 tokens in a game. Alex won 14 more tokens than George. Express George's tokens as a fraction of Alex's tokens.

   (1) $\frac{1}{6}$

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

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

   (4) $\frac{7}{8}$

18. The figure shown is made up of a square of side 4 cm and a rectangle with breadth 5 cm. What is the length of the rectangle?

5 cm   4 cm
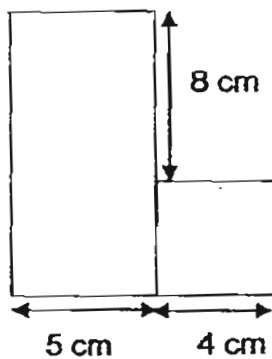
   (1) 8 cm
   (2) 9 cm
   (3) 12 cm
   (4) 13 cm

19. The square ABCD is made up of 4 identical smaller squares. Given that the area of one smaller square is 36 cm², what is the length of AB?

A ┌─────┬─────┐ B
  │   │   │
  ├─────┼─────┤
  │   │   │
D └─────┴─────┘ C
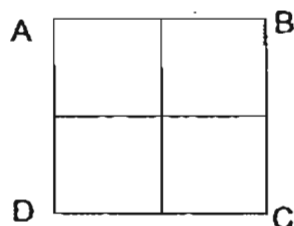
(1) 6 cm
(2) 9 cm
(3) 12 cm
(4) 18 cm

20. The table below shows the time taken by 5 boys to swim 100 m.

Names	Timing (s)
Ivan	69
Bryan	72
Amos	67
David	?
Michael	62

David swam 8s faster than Michael. What is the total time taken by David and Bryan?

(1) 54 s
(2) 70 s
(3) 126 s
(4) 142 s

END OF BOOKLET A

Anglo-Chinese School
(Junior)

SEMESTRAL ASSESSMENT 2 (2011)
PRIMARY 4

MATHEMATICS

BOOKLET B

28 October 2011, Friday   Total time for Booklets A and B : 1 h 45 min

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 25 questions in this booklet.

Answer ALL questions.

Name:..(   )

Class: 4. (   )

Booklet	Possible Marks	Marks Obtained
A	40	
B1	40	
B2	20	
TOTAL	100	

Parent's Signature :_____

This question paper consists of 12 printed pages. (Inclusive of cover page)

Section B (20 x 2 marks)
Work out the following sums and write your answers in the boxes provided.

21.   Write sixteen thousand and forty-two in numerals.

22.   Complete the number pattern given below.

65 , 77 , 89 , _____ , 113

23.   The sum of two numbers is 190. If the difference between the two numbers is 30, what is the bigger number?

24.   A movie started at 15 40 and ended 2h 37min later. At what time did the movie end?

25. Complete the number pattern.

1.5, 1.5, 3, 9, 36, _____

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

$$\frac{5}{8}, \quad \frac{3}{4}, \quad \frac{3}{8}$$

_____ , _____ , _____

smallest   greatest

27. Find the value of $\frac{9}{4} + \frac{5}{6}$. Leave your answer as an improper fraction.

28. $\frac{4}{5} = \frac{\square}{20}$

What is the missing number in the box?

29. In the figure shown, ABCD is a rectangle.
   Find ∠ x. (The figure is not drawn to scale).

A ⌐‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾¬ B
   25°
   X
D ⌊_____⌋ C
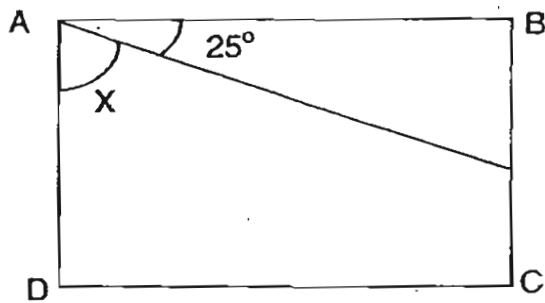
30. Study the following patterns carefully.

   How many squares are needed to form Pattern 50?

   Pattern 1   Pattern 2   Pattern 3   . . .   ?

                                                . . .   Pattern 50
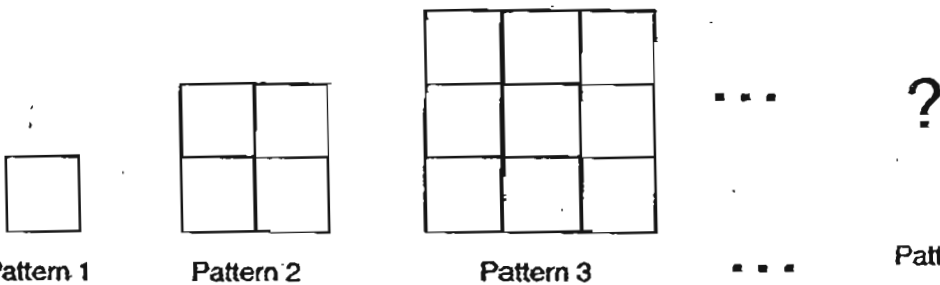
31. A book is sold at $ 8.95. Find the cost of 5 such books. Round off your answer to the nearest dollar.
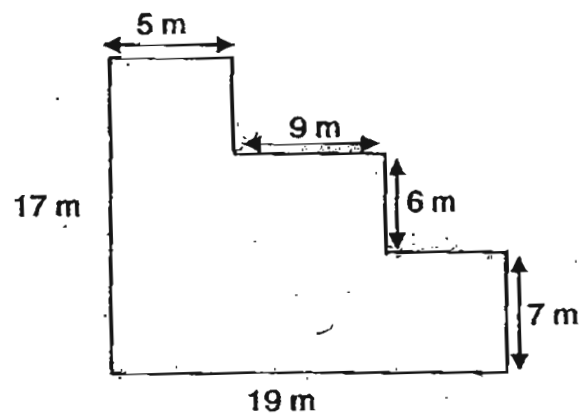
$

32. I am thinking of a number. When I multiply the number by 3 and add 2.75 to the result, I get 21.05. Find the number.

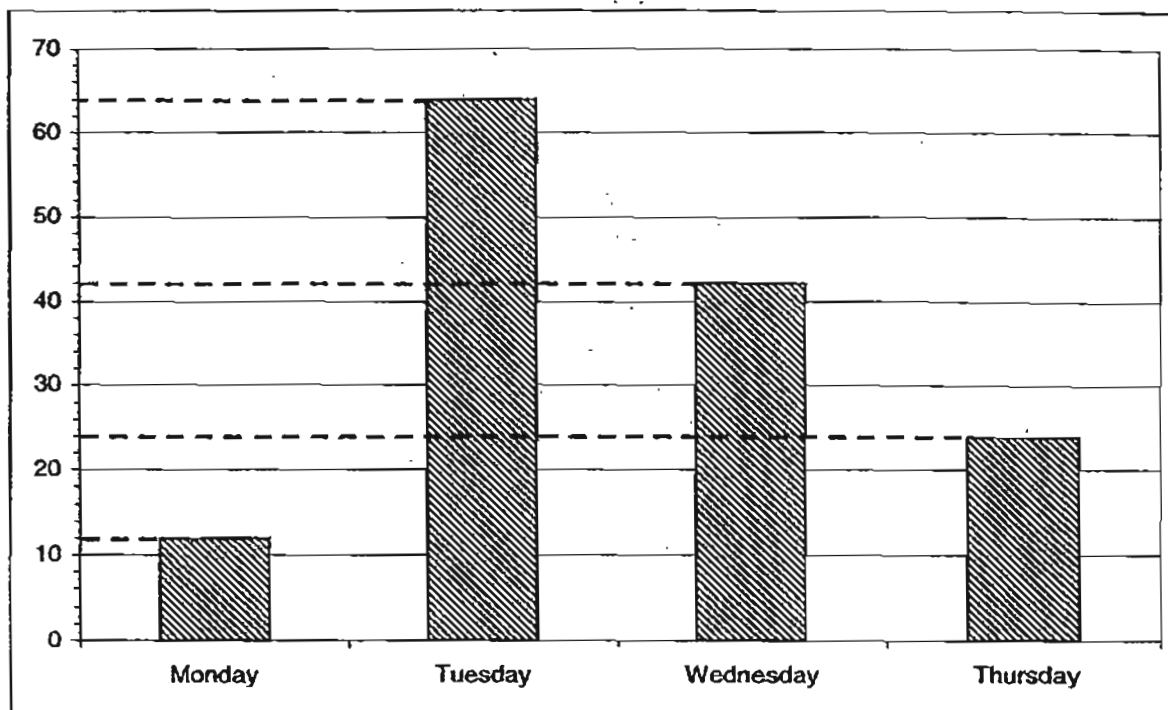33. What is the area of the figure?

m²

The graph below shows the number of books borrowed from a school library over a period of 4 days. Look at the graph and answer questions 34 and 35.

34. How many more books were borrowed on Wednesday than on Monday?

35. Express the number of books borrowed on Thursday as a fraction of the total number of books borrowed. (Give your answer in its simplest form).

36. The figure below is made up of 2 identical rectangles placed on top of each other as shown in the diagram below. Find the perimeter of the figure.

5 cm

15cm

7cm
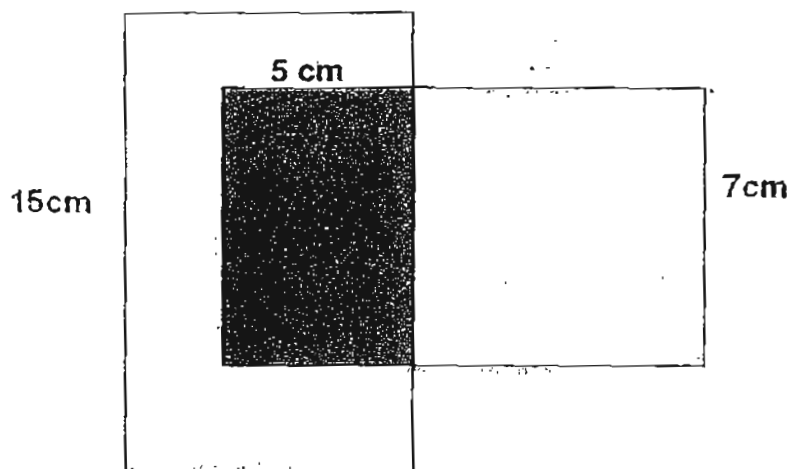
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┌─────────────┐
│    cm       │
└─────────────┘
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37. Use the given shape to form a tessellation in the spaces provided below by adding 3 more unit shapes.
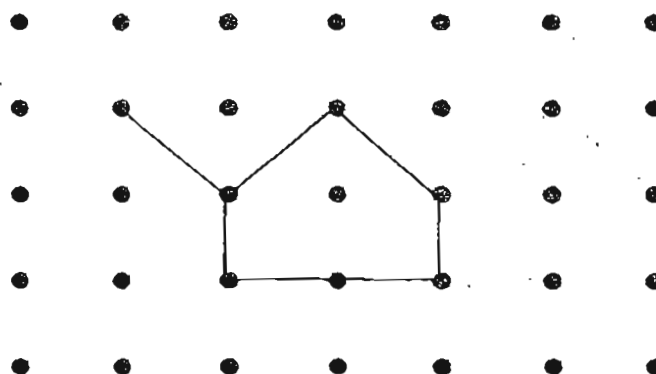
38.   Measure and write down the size of angle Z.
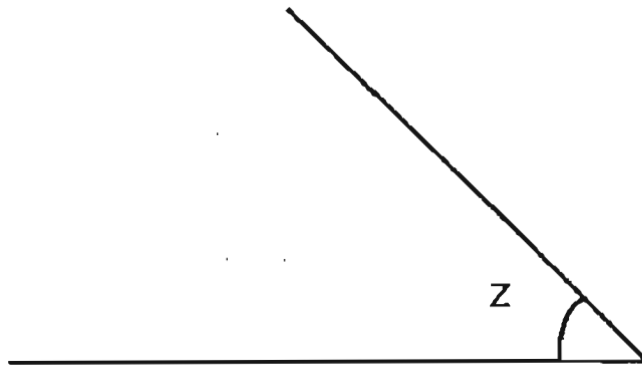
	0

39.   In the figure below, the dotted line is the line of symmetry. Complete the symmetric shape with the dotted line as the line of symmetry.
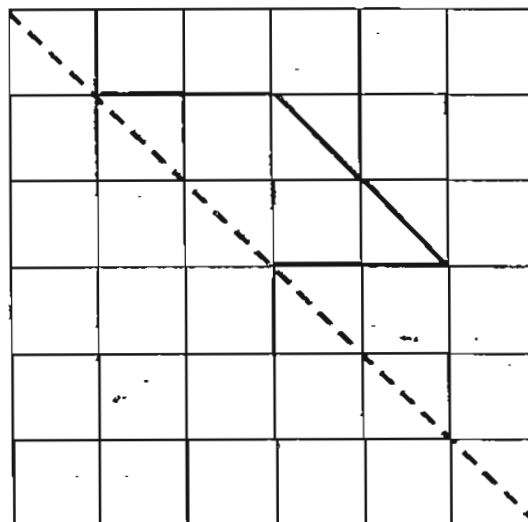
40. The figure ABCD is made of small squares. 6 of the small squares are shaded. Shade another <u>3 more squares</u> so that the figure ABCD is symmetrical along the line XY.
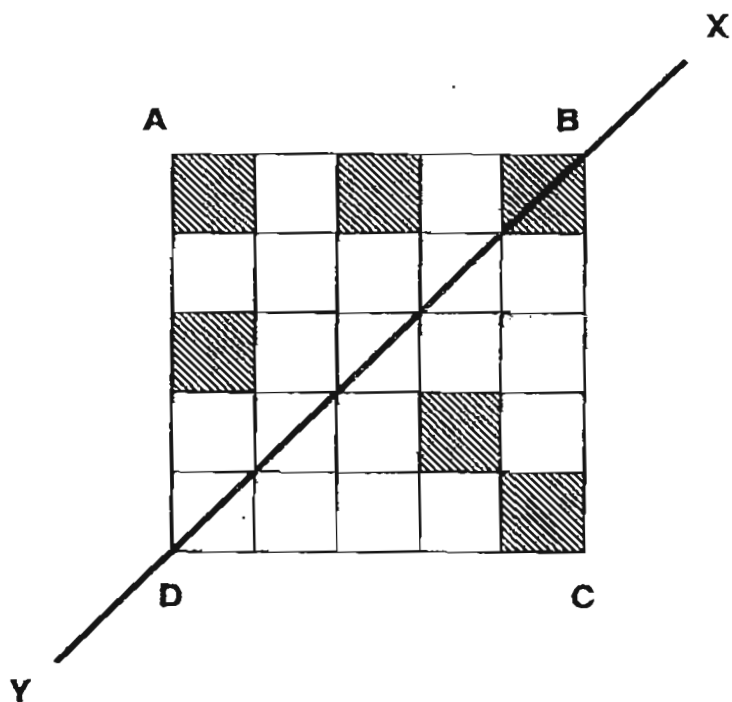
SECTION C (5 x 4 marks)

Answer each question in the space provided. Your working must be clearly shown as marks will be awarded for relevant statements and the correct answer.

41.   Ivan had $120. He bought 2 books at $12.50 each and spent part of the remaining money on 8 CDs. If he had $15.80 left, how much did each CD cost?

42.   Aunty Rosnah bought 33 m of ribbon. She used 5.5 m of the ribbon to tie a parcel. Then she cut the remaining ribbon into 8 equal pieces. Find the length of each piece. Give the answer in metres, correct to 2 decimal places.

43. Albert has 8 marbles more than Ben but 14 fewer than Joe. The three boys have 87 marbles altogether. How many marbles does Ben have?

44. A bus carrying 36 passengers left Terminal A for Terminal B. $\frac{1}{4}$ of the passengers were children and the rest were adults. At Terminal B, $\frac{1}{3}$ of the adults got off the bus. How many passengers were there on the bus when it left Terminal B?

45. Ali and Derek went shopping together. Ali brought twice as much money as Derek. After Ali had spent $600 and Derek had spent $110, they had an equal amount of money left. How much money did Ali have at first?

End of paper

EXAM PAPER 2011

SCHOOL : ACS
SUBJECT : PRIMARY 4 MATHEMATICS
TERM   : SA2

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

Q18	Q19	Q20
3	3	3

21)16042   22)101   23)110   24)1817   25)180

26)3/8, 5/8, ¾   27)37/12   28)16   29)65°   30)2500

31)$45   32)6.10   33)237m2   34)30   35)12/71

36)64cm   37)   38)47°   39)

40)

41)$12.50 x 2 = $25
   $120 − $25 = $95
   $95 − $15.80 = $79.20
   $79.20 ÷ 8 = $9.90
Each CD cost $9.90

42)33m − 5.5m = 27.5m
   27.5m ÷8 = 3.437m R0.004m
   3.437R0.004m≈3.44m
The length of each piece is 3.44m

43)8 x 2 = 16
   16 + 14 = 30
   87 − 30 = 57
   57÷3 = 19
He has 19 marbles.

44)36÷4 = 9
   36 − 9 = 27
   27÷3 = 9
   36 − 9 = 27
27 passengers were on the bus when it left
Terminal B.

45)$600 - $110 =$490
   $490 x 2 = $980
He had $980 at first