Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2016)

PRIMARY 4

MATHEMATICS

Booklet A

Friday **6 May 2016** **1 h 45 min**

Name: _____ ( ) Class: 4.( )

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 There are 20 questions in this booklet.

4 Answer ALL questions.

5 Shade your answers in the Optical Answer Sheet (OAS) provided.

This question paper consists of 8 printed pages (inclusive of cover page).

Section A

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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (40 marks)

1. What does the digit 9 in 58 928 stand for?

   (1) 9 tens
   (2) 9 ones
   (3) 9 hundreds
   (4) 9 thousands

2. Jonathan travelled 42 458 m on a road trip. Round the distance travelled to the nearest hundred metre.

   (1) 42 000 m
   (2) 42 400 m
   (3) 42 460 m
   (4) 42 500 m

3. Mrs Tan told her four students to arrange four numbers from the greatest to the smallest. Which of her four students had arranged the numbers **correctly**?

Bill	51 243, 51 423, 15 234, 14 325
Isiah	51 423, 51 243, 15 234, 14 325
Samuel	14 325, 15 234, 51 243, 51 423
Jay	15 234, 14 325, 51 243, 51 423

   (1) Bill
   (2) Isiah
   (3) Samuel
   (4) Jay

4. The product of two numbers is 84. One of the numbers is 3. What is the other number?

(1) 28

(2) 81

(3) 87

(4) 252

5. What is the remainder when 4007 is divided by 6?

(1) 5

(2) 2

(3) 3

(4) 4

6. An **even** number when rounded to the nearest thousand is 7000. Which of the following is the **greatest** possible value of this even number?

(1) 6998

(2) 7008

(3) 7498

(4) 7500

7. Which of the following is **not** a factor of 64?

(1) 32

(2) 14

(3) 8

(4) 4

8. Which of the following statements is **incorrect**?

(1) 10 tens × 5 = 50 tens

(2) The product of 246 and 6 is 41

(3) 100 000 = 1000 hundreds

(4) 960 + 960 + 960 + 960 + 960 = 960 × 5

9. Mary's violin class started at 11.15 a.m. It lasted for 90 minutes. What time did her violin class end?

(1) 12.05 a.m.

(2) 12.05 p.m.

(3) 12.45 a.m.

(4) 12.45 p.m.

10. Which of the following letters has **perpendicular** lines?

(1) A **(2)** H

(3) N **(4)** X

11. John was facing North-West. He then made a $\frac{3}{4}$ -turn in an anti-clockwise direction. Which direction does he face now?

(1) East

(2) West

(3) North-East

(4) South-West

12. Which of the fractions below is smaller than $\frac{2}{3}$?

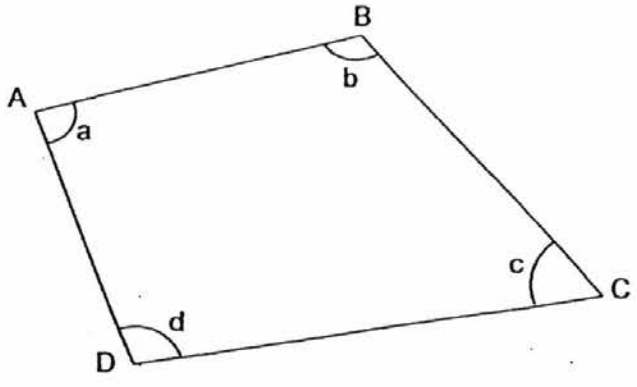
(1) $\frac{3}{4}$

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

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

(4) $\frac{5}{6}$

13. Which of the following statements about the angles is **correct**?



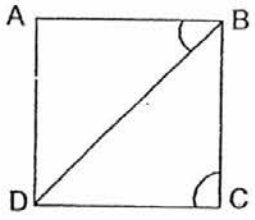
(1) $\angle ABC = \angle a$

(2) $\angle ADC = \angle b$

(3) $\angle BCD = \angle c$

(4) $\angle CBA = \angle d$

14. ABCD is a square. What is the sum of $\angle ABD$ and $\angle BCD$?



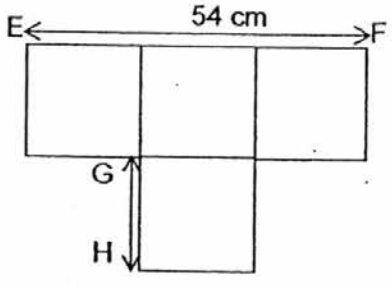
(1) 45°

(2) 90°

(3) 135°

(4) 225°

15. The figure below is made up of 4 identical squares. The length of EF is 54 cm. What is the length of GH?



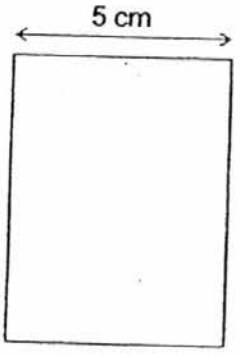
(1) 9 cm

(2) 18 cm

(3) 27 cm

(4) 36 cm

16. The area of the rectangle below is 90 cm^2. Find its perimeter.



(1) 18 cm

(2) 23 cm

(3) 46 cm

(4) 85 cm

17. There are some pupils in a room. The pupils can be arranged in groups of 6 or 9 without any remainder. How many pupils are there in the room?

(1) 48

(2) 72

(3) 84

(4) 96

18. Adam had six $2 notes. He exchanged all his money for 50-cent coins. How many coins did he get?

(1) 10

(2) 12

(3) 18

(4) 24

Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2016)

PRIMARY 4

MATHEMATICS

Booklet B

Friday **6 May 2016** **1 h 45 min**

Name: _____ Class: 4.( )

INSTRUCTIONS TO PUPILS

1 Do not turn over the pages until you are told to do so.

2 Follow all instructions carefully.

3 There are 25 questions in this booklet.

4 Answer ALL questions.

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

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

19. A cup can hold 250 ml of water. A jug can hold 9 such cups of water. What is the capacity of the jug?

(1) 1 ℓ 850 ml

(2) 2 ℓ 250 ml

(3) 18 ℓ 50 ml

(4) 22 ℓ 50 ml

20. Melvin needs to guess a number. He is told that the number is a factor of 48. When 8 is added to the number, it becomes a multiple of 6. What is the number?

(1) 6

(2) 12

(3) 16

(4) 24

End of Booklet A

Section B

Questions **21** to **40** carry 2 marks each. Show your working clearly and write your answers in the boxes provided. For questions which require units, give your answers in the units stated. (40 marks)

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21. 80 000 + 700 + 60 + 1 = _____

22. What is the missing number in the number pattern?

22 476, 22 296, _____, 21 936, 21 756

23. Melissa spent $34 785 on her house renovation and $17 394 on a new set of furniture. How much did she spend in total? Round your answer to the nearest thousand.

$

24. Find the product of 507 and 16.

Sub - total:

25. What is the second common multiple of 3 and 9?

26. Mr Wu wrote a number on a card without showing it to his class. He gave his class three clues to find the number.

- It is a multiple of 4.
- It is between 30 and 45.
- When it is divided by 3, the remainder is 1.

What is the number?

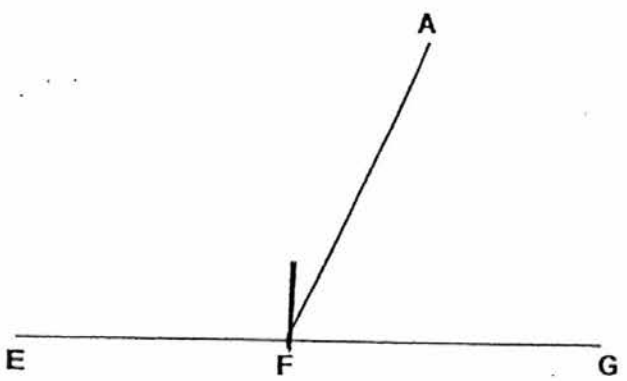
27. When a number is divided by 7, it has a quotient of 216 and a remainder of 5. What is the number?

Sub - total:

28. The sum of 2 numbers is 213. The greater number is 154. What is the difference between the 2 numbers?

29. Joe had four times as many stickers as Pete. They have 7005 stickers altogether. How many more stickers does Joe have than Pete?

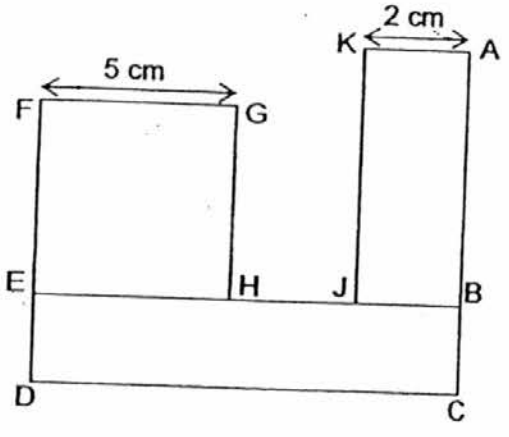
30. In the figure below, EFG and AF are straight lines.
Measure ∠EFA.



∠EFA = _____ °

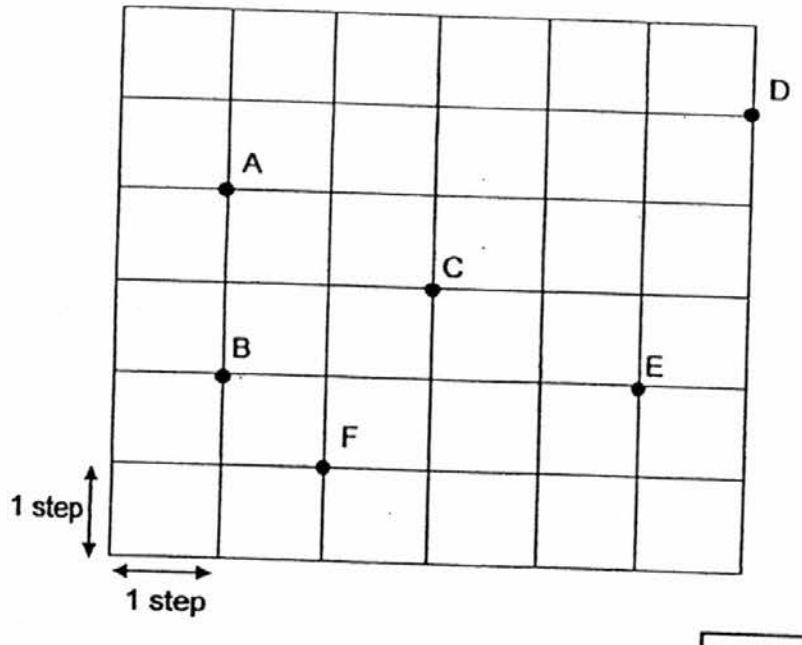
Sub - total:

31. The figure shows a square EFGH and two rectangles BCDE and ABJK. DC is twice as long as FG. Find the length of HJ.



cm

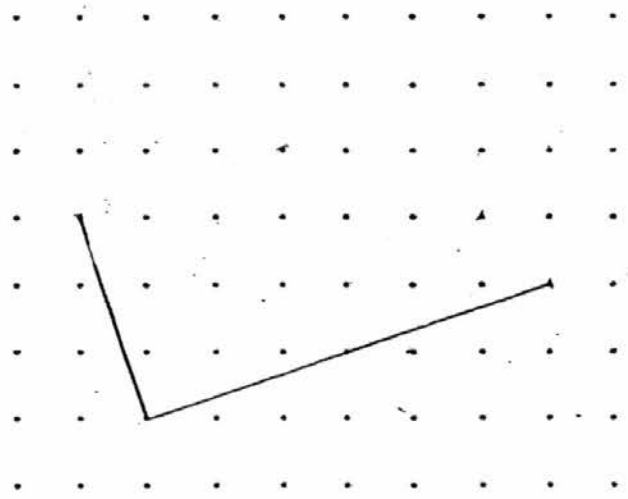
32. Look at the diagram below. Samy started at Position C. He walked 1 step to the west, 2 steps to the north, 3 steps to the east and then 3 steps to the south. At which position did he end up?



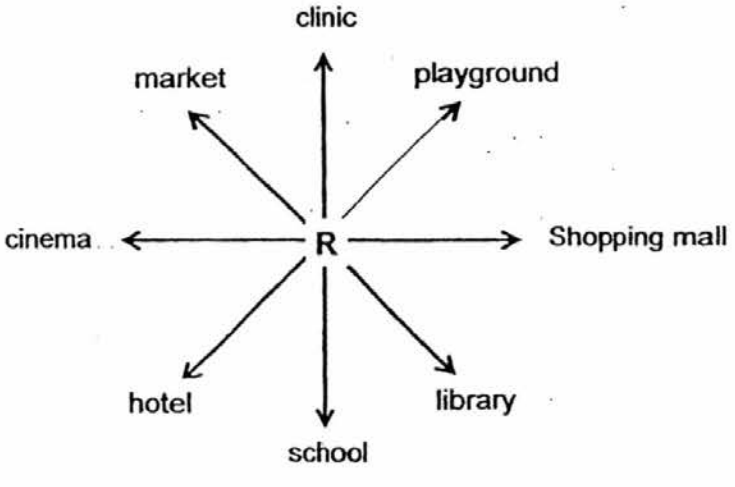
Position _____

Sub - total:

33. In the space provided below, two sides of a rectangle have been drawn. Complete the drawing of the rectangle using the lines given.



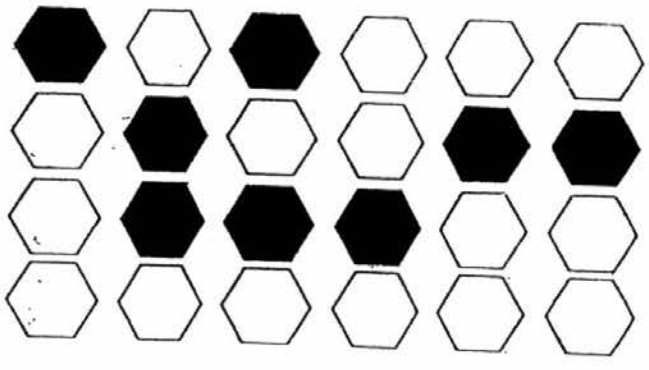
34. Mrs Sue is standing at point **R** in the diagram below. She is facing the playground. How many degrees will she need to turn in a clockwise direction to face the cinema?



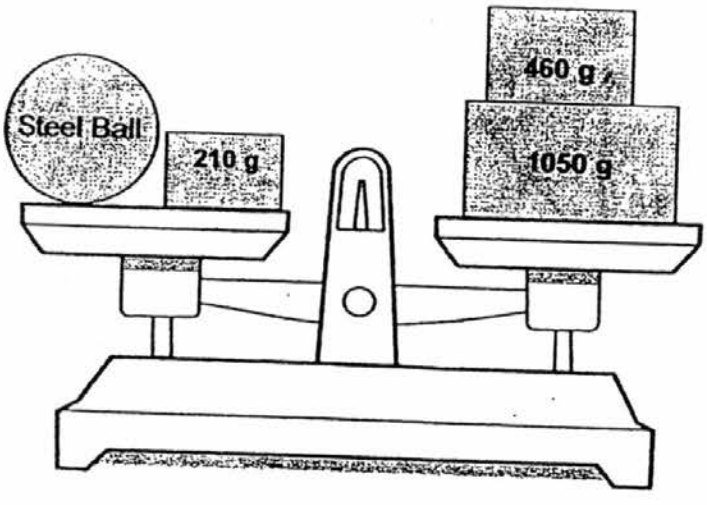
o

Sub - total:

35. What fraction of the tiles is shaded?



36. In the figure below, what is the mass of the steel ball?



g

Sub - total:

37. The television programme for Channel 1 on Monday is shown below.
Write down the title of the programme that is 1 hour long.

Television Programme

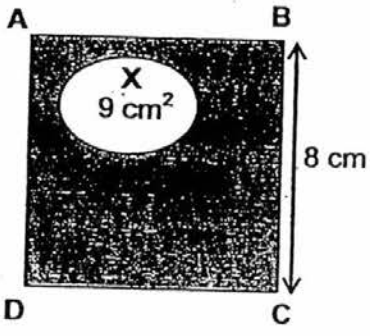
CHANNEL 1	**MONDAY**
7.00 a.m.	Morning Live Show!
8.30 a.m.	A.M. News
9.00 a.m.	Healthy Living
10.00 a.m.	Asian Food Delicacies

38. Maiam had 1 metre of ribbon. She used $\frac{1}{12}$ metre to wrap a present and $\frac{1}{3}$ metre to make a flower. How much ribbon had she left?

m

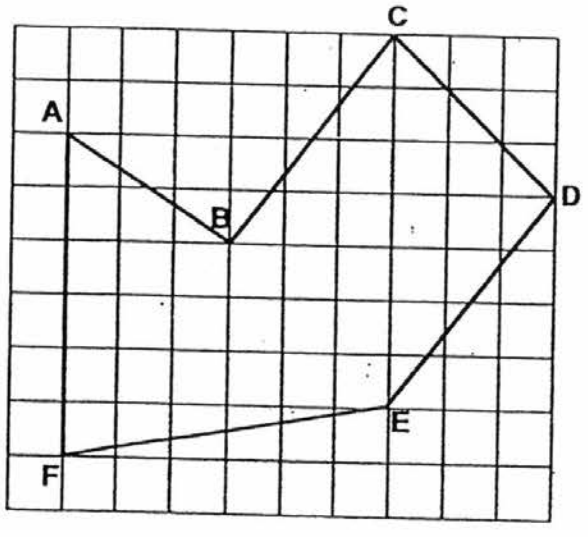
Sub - total:

39. In the figure below, ABCD is a square. BC = 8 cm. The unshaded part marked X has an area of 9 cm^2. What is the area of the shaded part?



cm^2

40. Name a pair of parallel lines in the diagram below.



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Sub - total:

Section C

Questions **41** to **45** carry 4 marks each. For each question, show your working clearly as marks will be given for working and relevant statements. (20 marks)

41. The farmer had 1287 apples. After throwing away 215 rotten ones, he sold the remaining apples in packets of 8.

    a) How many packets of apples did he sell?

    b) The farmer sold each packet of apples for $5. How much did he receive from the sale of the apples?

42. Mrs Tan had $3923. She went shopping and spent $399 on a printer. She used the remaining amount of money to buy a lamp and a computer. The computer cost $1826 more than the lamp.

    a) How much did she pay for the lamp and the computer?

    b) How much did she spend on the lamp?

Sub - total: [ ]

43. Aaron is 36 years old and his daughter is 6 years old. In how many years' time will he be three times his daughter's age?

44. There were twice as many fiction books as non-fiction books in the school library. The pupils borrowed 2954 fiction books. There were four times as many non-fiction books as fiction books in the end. How many non-fiction books were there in the school library?

Sub - total: [ ]

45. Minah and Kelly have the same number of stamps each. After Minah gave away 276 stamps and Kelly gave away 108 stamps, Kelly had thrice as many stamps as Minah. How many stamps did Minah and Kelly each have at first?

End of Booklet B

Sub - total: [ ]

EXAM PAPER 2016
LEVEL : PRIMARY 4
SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)
SUBJECT : MATHS
TERM : SA1

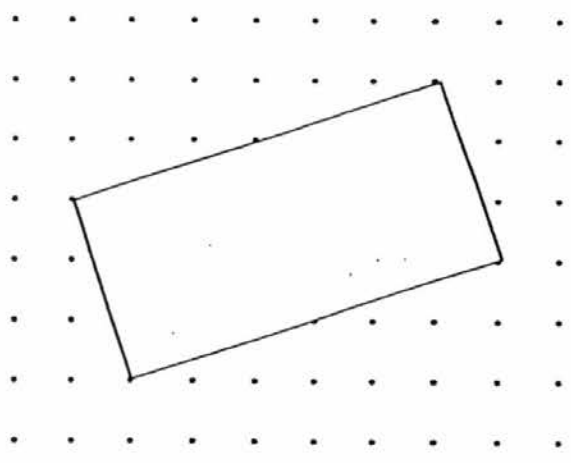
Q 1	Q 2	Q 3	Q 4	Q 5	Q 6	Q 7	Q 8	Q9	Q 10
3	4	2	1	1	3	2	2	4	2
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	2	3	3	2	3	2	4	2	3

Q21. 80761 **Q22. 22116** **Q23. 52000** **Q24. 8112**

Q25. 18 **Q26. 40** **Q27. 1517** **Q28. 95**

Q29. 4203 **Q30. 115°** **Q31. 3** **Q32. E**

Q33.



Q34. 225 **Q35.** $\frac{1}{3}$ **Q36. 1300**

Q37. Healthy living **Q38.** $\frac{7}{12}$ **Q39. 55**

Q40. CB // DE

Q41. 1287 – 215 = 1072
1072 ÷ 8 = 134
134 X 5 = 670 **Answer: a) 134 packets b) $670**

Q42. 3923 – 399 = 3524
3524 – 1826 = 1698
1698 ÷ 2 = 849 **Answer: a) $3524 b) $849**

Q43. 2 units = 30
1 unit = 15
15 – 6 = 9 **Answer: 9 years time**

Q44. 7 units = 2954
1 unit = 422
422 X 4 = 1688 **Answer: 1688 non-fiction books**

Q45. 276 – 108 = 168
2 units = 168
1 unit = 84
84 + 276 = 360 **Answer: Minah and Kelly had 360 stamps each at first.**