Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2013
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Name: _____ ( ) Class: Primary 4 ___

Date: 10 May 2013 Duration of Booklet A & B: 1h 45 min

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 7 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.

SECTION A - Multiple-Choice Questions (30 MARKS)

Questions 1 to 15 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).

1. 7 345 rounded off to the nearest hundred is _____.

   (1) 7 000

   (2) 7 300

   (3) 7 350

   (4) 7 500

2. 59 hundreds, 34 tens and 17 ones is the same as _____.

   (1) 4 007

   (2) 5 951

   (3) 6 257

   (4) 9 317

3. Which one of the following numbers is 15 tens more than 44 x 19?

   (1) 686

   (2) 836

   (3) 851

   (4) 986

4. Which of the following is a multiple of both 4 and 9?

(1) 13

(2) 28

(3) 36

(4) 45

5. Mrs Fernandez is at Newton MRT Station. She notices that the North-bound train arrives every 6 minutes and the South-bound train arrives every 8 minutes. If both trains arrived at 6.00 a.m , when would be the next time both the trains arrive at the station together again?

(1) 6.12 a.m

(2) 6.14 a.m

(3) 6.16 a.m.

(4) 6.24 a.m.

6. $\frac{2}{5}$ of 5 has the same value as _____.

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

(2) $\frac{2}{5} \times 5$

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

(4) $\frac{2}{5} \times \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5} \times \frac{2}{5}$

7 Find the value of $9 - \frac{1}{4} - \frac{5}{12}$.

(1) $8\frac{1}{3}$

(2) $8\frac{1}{2}$

(3) $9\frac{1}{3}$

(4) $9\frac{1}{2}$

8. How many sixths are there in $8\frac{1}{3}$?

(1) 12

(2) 25

(3) 50

(4) 75

9. There were 1 672 people at a funfair $\frac{5}{8}$ of them were children and the rest were adults. How many more children than adults were at the funfair?

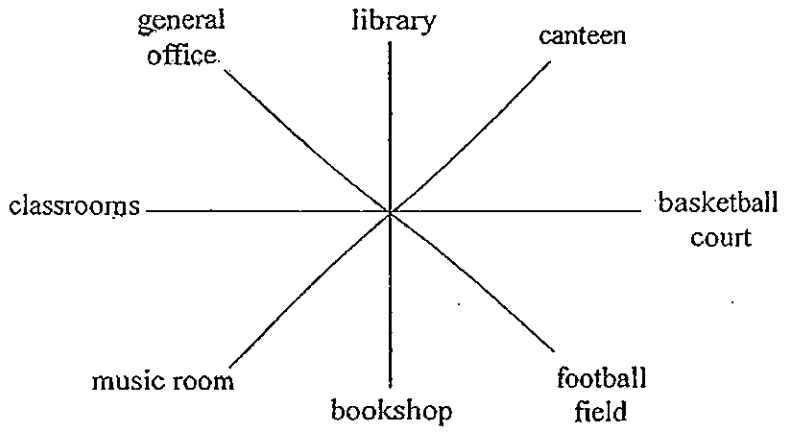
(1) 418

(2) 627

(3) 1 045

(4) 1 254

10. Flynn is facing the canteen at the moment. If he turns 225° anti-clockwise, he would be facing the _____.



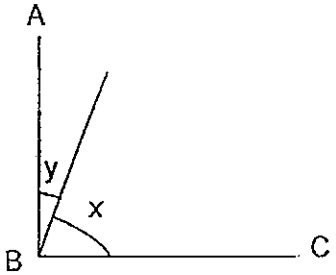
(1) bookshop

(2) classrooms

(3) football field

(4) music room

11. The figure below is not drawn to scale. In the figure below, AB is perpendicular to BC. Given that the size of $\angle x$ is five times the size of $\angle y$, find the difference between $\angle x$ and $\angle y$.



(1) 15°

(2) 18°

(3) 60°

(4) 75°

12. The length of a rectangle is twice its breadth. The perimeter of the rectangle is 72 cm. What is the length of the rectangle?

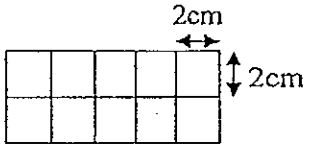
(1) 8 cm

(2) 12 cm

(3) 24 cm

(4) 36 cm

13. The figure below is not drawn to scale. The figure is made up of identical 2-cm squares. What is the perimeter of the figure?



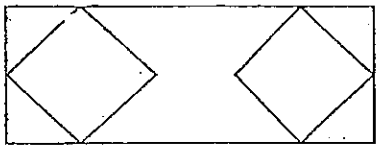
(1) 14 cm

(2) 28 cm

(3) 40 cm

(4) 80 cm

14. The figure below is made up of a rectangle and two squares. How many right angles are there altogether?



(1) 14

(2) 12

(3) 8

(4) 4

15. E G K U

Which of the following figures contains both parallel lines and perpendicular lines?

(1) E

(2) G

(3) K

(4) U

Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2013
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ ( ) Class: Primary 4 ___

Date: 10 May 2013 Duration of Booklet A & B: 1h 45 min

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 16 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Maximum Marks	Marks Obtained
A. Multiple-Choice Questions	30	
B. Short Answers	40	
C. Problem Sums	30	
Total Marks	100	

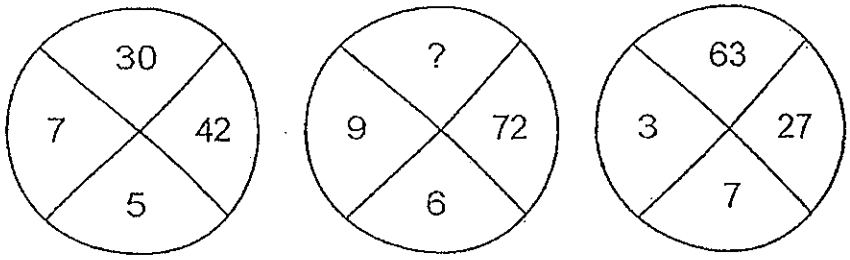
SECTION B - Short Answers (40 Marks)

Questions 16 to 35 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16. Write eighty thousand and thirty-five in figures.

Answer : _____

17. Fill in the blank with the missing number in the number pattern below.



Answer :

18. Two factors of 57 are 1 and 57 What are the other factors of 57?

Answer : _____ and _____

19. A factory manufactured 3 924 badminton rackets and 836 of them were shipped overseas. The remaining rackets were packed into boxes of 4 rackets each. Each box of rackets were sold at $12 How much did the factory collect from the sale of the rackets?

Answer : $_____

20. What is the value of $\frac{2}{3}+\frac{6}{9}$?

Express your answer as a mixed number in its simplest form.

Answer : _____

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

Answer : _____ , _____ , _____
(*smallest*) (*greatest*)

22. 48 trees are planted along a straight road. The distance between every two trees is 14 m. What is the distance between the first and last tree?

Answer : _____m

23. Which two of the fractions are smaller than $\frac{1}{2}$?

Answer : _____ and _____

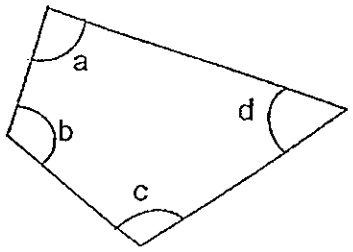
24. Jude's monthly salary is $4 270 Every month, he spends $\frac{3}{5}$ of his salary and saves the rest. How much money will he save in half a year?

Answer : $_____

25. Amanda has less than 100 pencils. The pencils can be packed into bundles of 7 or bundles of 9 with no pencils left over. How many pencils can Amanda have?

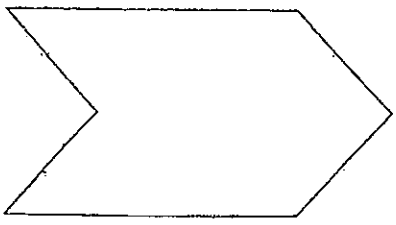
Answer : _____

26. In the figure, one of the angles is a right angle. Name the angle.



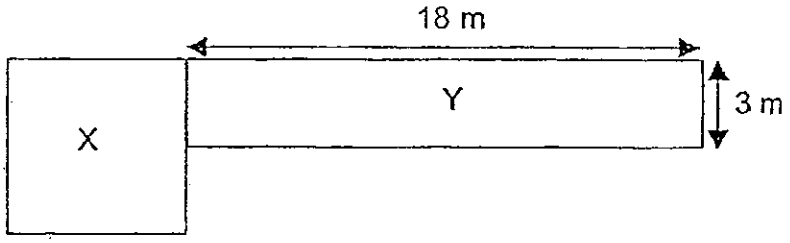
Answer_____

27. How many pair(s) of parallel lines is/are there in the figure below?



Answer :_____

28. The figure below, not drawn to scale, is made up of Square X and Rectangle Y The length of Square X is twice the breadth of Rectangle Y. Find the perimeter of the figure.



Answer : _____ m

29. The missing numbers in the boxes are of the same value. What is the missing number?

$$\frac{9}{\square} = \frac{6}{10} = \frac{\square}{25}$$

Answer : _____

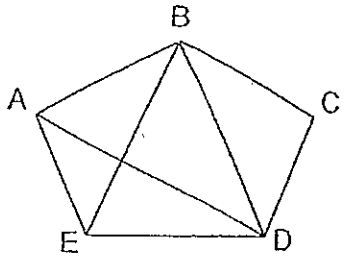
30. There are 48 apples in a basket. 28 of them are green and the rest are red. What fraction of the apples is red? Express your answer in its simplest form.

Answer : _____

31. What is the smallest odd number that can be divided by 5 with a remainder 3?

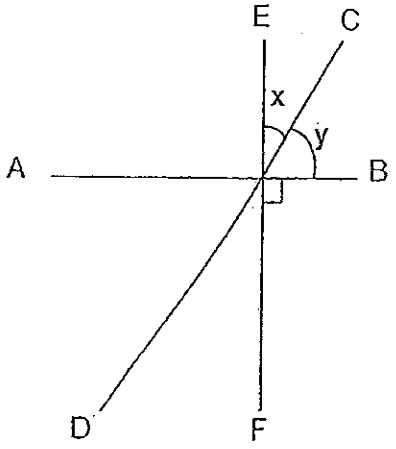
Answer : _____

32. In the figure, one of the lines is parallel to BD. Which line is parallel to BD?



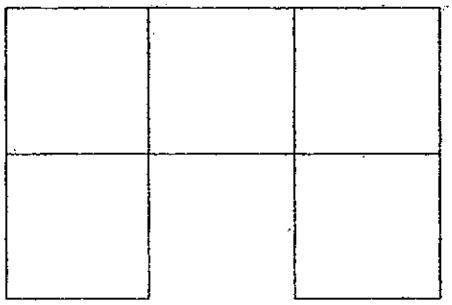
Answer : _____

33. The diagram below is made up of 3 straight lines AB, CD and EF crossing each other. Given that $\angle y$ is 75°, find $\angle x$.



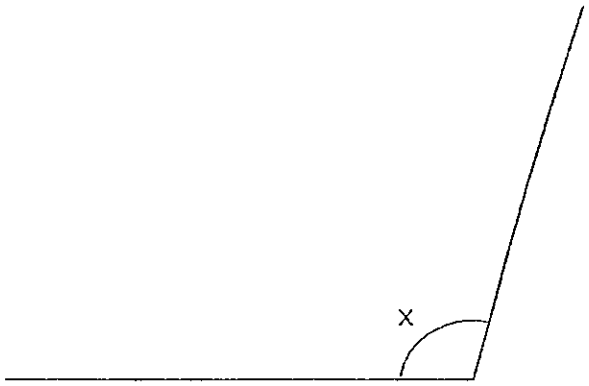
Answer _____

34 The figure below is made up of 5 identical squares. The perimeter of the figure is 72 cm. What is the area of the figure?



Answer : _____ cm^2

35. Measure and write down the size of $\angle x$.



Answer : _____ °

SECTION C - Problem Sums (30 Marks)

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [ ].

36. Reeve, Simon and Tommy collected some toy cars. Reeve had five times as many toy cars as Tommy. Simon had twice as many toy cars as Tommy. If Reeve collected 3 108 more toy cars than Simon, how many toy cars did the 3 boys collect in all?

Answer: _____ [3]

37. Derek and Mark had the same number of cards at first. After Derek had bought another 495 cards and Mark lost 51 of his cards, Derek had four times as many cards as Mark. How many cards did each of them have at first?

Answer: _____ [3]

38. There are 732 participants in Team A and 810 participants in Team B at a dance competition. The number of males in both teams is the same Given that the number of females in Team B is thrice that of Team A, find the total number of male participants in the competition.

Answer: _____ [4]

39. Ethan spent $\frac{2}{5}$ of his pocket money on food, $\frac{1}{3}$ of the remaining money on transportation and saved the rest of it.

a) What fraction of his money did he save?

b) If he saved $130 how much money did Ethan have at first?

Answer: (a) _____ [2]

(b) _____ [2]

40. An equal number of boys and girls sat for an examination in a hall. After an hour later, $\frac{3}{4}$ of the boys and $\frac{3}{7}$ of the girls left the hall. If 32 girls remained in the hall, how many boys left the hall?

Answer: _____ [4]

41. Kate and Ben went shopping. Kate spent $\frac{3}{5}$ of her money and had \$54 left. Ben spent $\frac{4}{7}$ of his money and had the same amount of money left as Kate

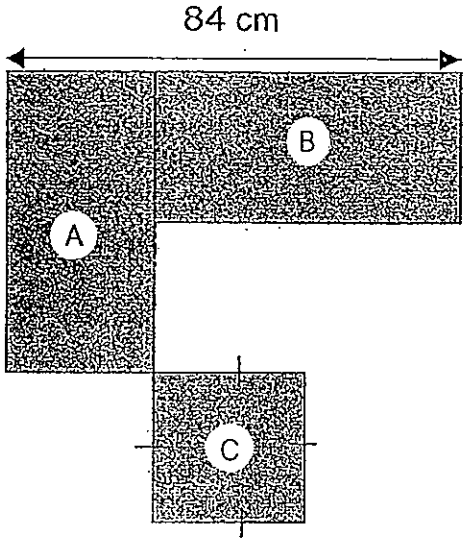
(a) How much money did Kate have at first?

(b) How much did Ben spend?

Answer: (a) _____ [2]

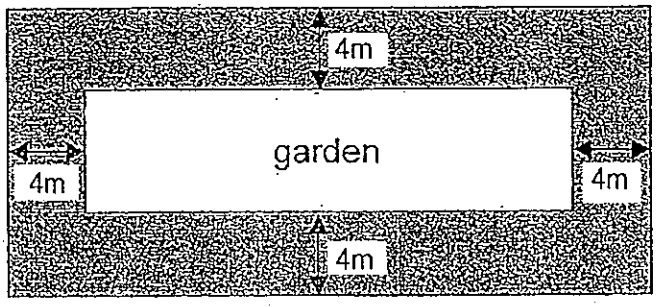
(b) _____ [2]

42. The figure below, which is not drawn to scale, is made up of Rectangle A, Rectangle B and Square C. Rectangle A and Rectangle B are identical. The length of Rectangle B is twice the length of Square C. The area of Square C is half the area of Rectangle B. Find the area of the figure.



Answer: _____ [4]

43. Mr Avery had a rectangular garden with a perimeter of 256 m. The length of the garden is thrice its breadth. He decided to build a pebbled pathway with a width of 4 m around the garden. Find the area of the pebbled pathway



Answer: _____ [4]

End-of-Paper

ANSWER SHEET

EXAM PAPER 2013

SCHOOL : ANGLE-CHINESE PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : SA1

Booklet A

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

16. 80035
17. 48
18. 3 and 19
19. 9264
20. $1\frac{1}{3}$
21. 1/2, 5/8, ¾
22. 658
23. 2/9 and 1/3
24. 10248
25. 63
26. a
27. 3
28. 60
29. 15
30. 5/12
31. 13
32. AE
33. 15
34. 180
35. 106
36. 3108/3=1036
    1036x8=8288
37. 546/3=182
    182+51=233

38. 810-732=78
78/2=39
M:732-39=693
693x2=1386

39a). 1-3/5=2/5

b). 130/2=62
65x5=325

40. 8 x7=56
56/4=14
14x3=42

41. 54/2=27
54/3=18

a) 27x5=135

b) 18x4=72

42. 84/3=28
28x2=56
56x28=1568
1568x2=3136
28x28= 784
3136+784=3920 cm square

43. 256/8=32
32x 3 = 96
96+8=104
32+8=40
104x40=4160
96x32=3072
4160-3072=1088 meter square