Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2015
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Date: 7 May 2015 Duration of Booklets A & B: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 8 printed pages, including the cover page.
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. The value of the digit 5 in 51 408 is _____.

   (1) 5 hundreds

   (2) 5 thousands

   (3) 50 hundreds

   (4) 50 thousands

2. 3 ten thousands, 8 hundreds, 12 tens and 4 ones is the same as _____.

   (1) 30 816

   (2) 30 924

   (3) 38 016

   (4) 38 124

3. 13 872 rounded off to the nearest hundred is _____.

   (1) 13 000

   (2) 13 800

   (3) 13 870

   (4) 13 900

4. Which of the following is both a multiple of 6 and 8?

(1) 46

(2) 32

(3) 24

(4) 18

5. Tom is 10 years old. His brother is twice as old as him. What is their total age in 4 years' time?

(1) 38

(2) 34

(3) 30

(4) 20

6. Which of the following is not an equivalent fraction of $\frac{5}{6}$?

(1) $\frac{10}{12}$

(2) $\frac{15}{24}$

(3) $\frac{25}{30}$

(4) $\frac{30}{36}$

7. **Find** the value of $\frac{11}{12} - \frac{3}{4}$.

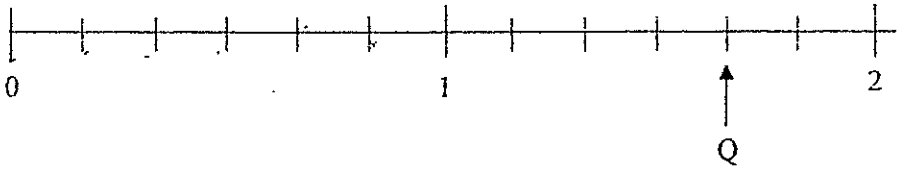
(1) $\frac{1}{6}$

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

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

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

8. **Which** of the following mixed numbers is represented by the letter Q on the number line shown?



(1) $1\frac{4}{5}$

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

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

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

9. Which of the following figures has perpendicular lines?

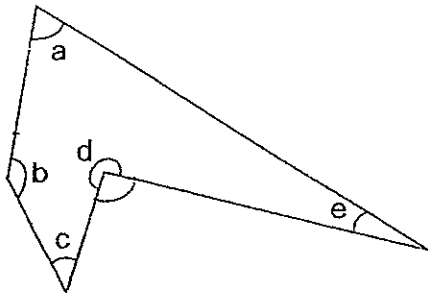
(1) W

(2) N

(3) C

(4) H

10. In the figure below, which angles are greater than a right angle?



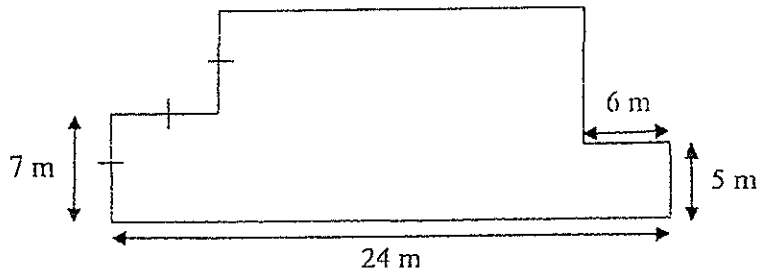
(1) ∠a and ∠c

(2) ∠b and ∠d

(3) ∠c and ∠d

(4) ∠d and ∠e

11. What is the area of the figure?



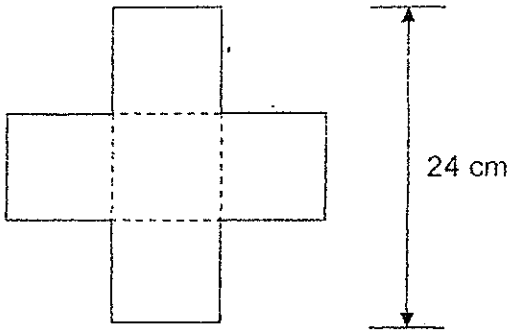
(1) 196 m^2

(2) 233 m^2

(3) 336 m^2

(4) 576 m^2

12. The figure below, not drawn to scale, is made up of 5 identical squares. Find the perimeter of the figure.



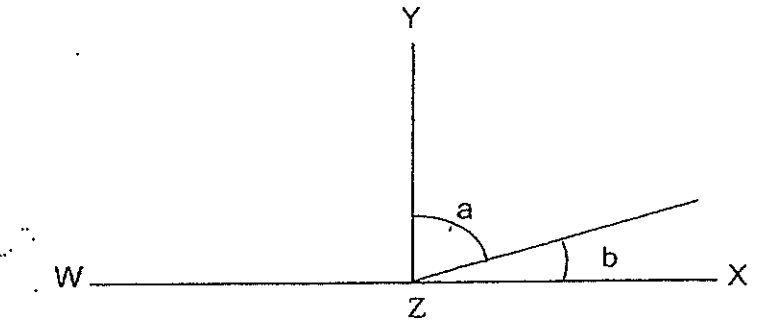
(1) 320 cm

(2) 128 cm

(3) 96 cm

(4) 48 cm

13. The figure below is not drawn to scale. WX is perpendicular to YZ. Which one of the following statements is correct?



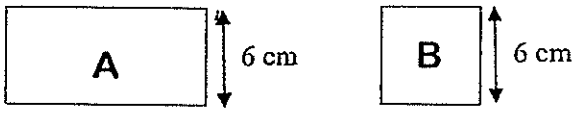
1) $\angle a$ is smaller than $\angle b$

2) $\angle a = \angle b$

3) $\angle a = 90^\circ + \angle b$

4) $\angle a + \angle b = 90$

14 The figure below shows Rectangle A and Square B. The perimeter of Rectangle A is equal to the area of Square B. Find the area of the Rectangle A.



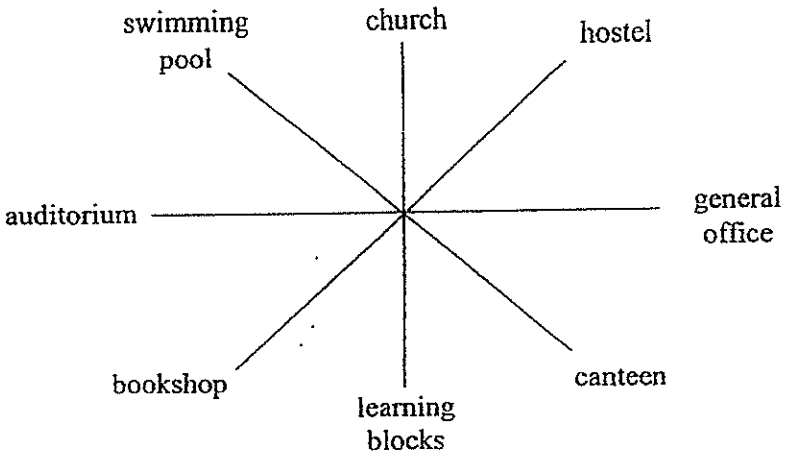
(1) 12 cm^2

(2) 24 cm^2

(3) 36 cm^2

(4) 72 cm^2

15. Geraldine is facing the learning blocks at first. When she turns 135° anti-clockwise, she will be facing the _____.



(1) church

(2) general office

(3) hostel

(4) swimming pool

End – of – Booklet A

Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2015
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ .( ) Class: Primary 4 ___

Date: 7 May 2015 Duration of Booklets A & B: 1 hour 45 minutes

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of **16** printed pages, including the cover page.
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 Answer Questions (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 ninety thousand, four hundred and eight in figures.

Answer : _____

17 Write the missing number in the number pattern below.

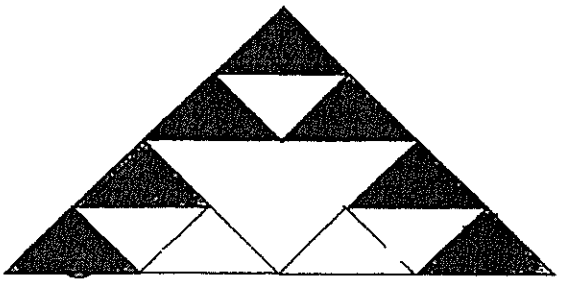
13 427, 13 562 , _____ , 13 832 , 13 967

Answer : _____

18 Four factors of 99 are 1, 9, 11 and 99. What are the other two factors of 99?

Answer : _____ and _____

19. The figure below is made up of identical triangles.
What fraction of the figure below is unshaded?



Answer : _____

20. $2\frac{7}{9}+\frac{1}{3}=$_____
Express your answer as a mixed number.

Answer : _____

21. Which two of the fractions below are smaller than $\frac{2}{3}$?

$$\frac{3}{4},\ \frac{4}{9},\ \frac{5}{6},\ \frac{5}{12}$$

Answer : _____ and _____

22. What is the missing number in the box?

$$8\frac{3}{5} = \frac{\boxed{?}}{10}$$

Answer : _____

23. Using the digits 2, 7, 3, 1 and 6, form the largest **and smallest 5-digit number.and find the difference between them.**

Answer : _____

24. Arrange the following numbers from the smallest to the greatest.

48 723 , 47 382 , 48 732 , 47 832

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

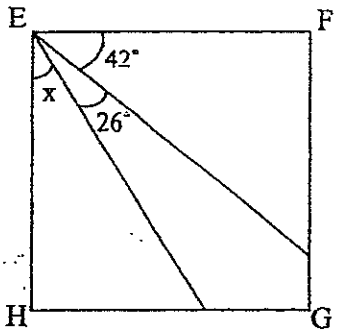
25. Mr Choo earns $9 600 in 3 months. If he earns the same amount each month, how much will he earn in half a year?

Answer : $_____

26. The cost of 5 books is the same as the cost of 13 bags. If each bag cost $35, what is the cost of each book?

Answer : $_____

27. In the figure below, EFGH is a square. Find $\angle x$.

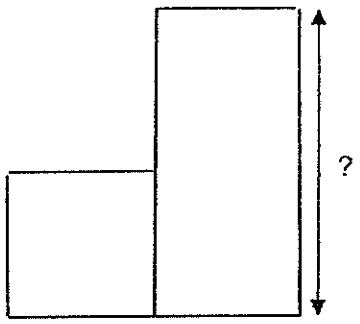


Answer : _____°

28. There are 42 pupils in a class. 18 of them are girls. $\frac{5}{6}$ of the boys in the class can play chess. How many boys can play chess?

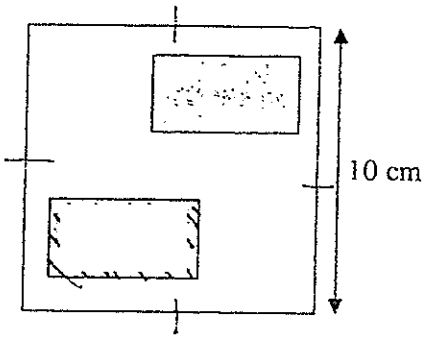
Answer : _____

29. The figure below is made up of a square and a rectangle. The area of the square is 64 cm^2. The breadth of the rectangle is the same as the length of the square. If the total area of the figure is 352 cm^2, what is the length of the rectangle?



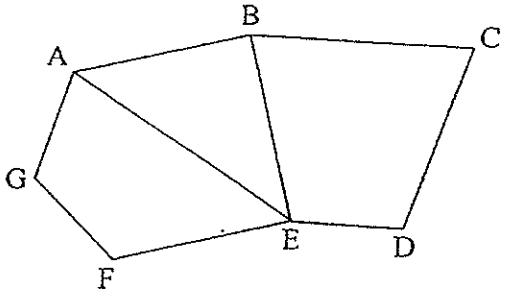
Answer : _____ cm

30. The figure below shows 2 identical rectangles in a square. The area of one rectangle is $\frac{1}{5}$ of the area of the square. Find the area of the two rectangles.



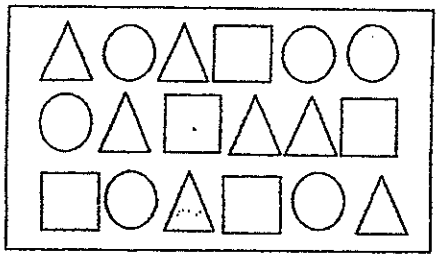
Answer : _____ cm^2

31. One of the lines in the figure is parallel to CD.
Which line is parallel to CD?



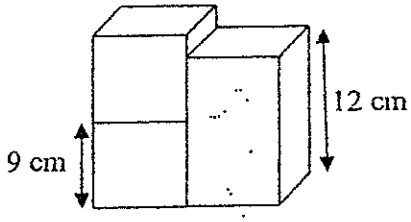
Answer : _____

32. There are 18 figures in the box below. What fraction of the figures are circles? Express your answer in the simplest form.



Answer : _____

33. Boxes that are 9 cm high are being stacked next to boxes that are 12 cm high. What is the shortest height at which the two stacks will be of the same height?

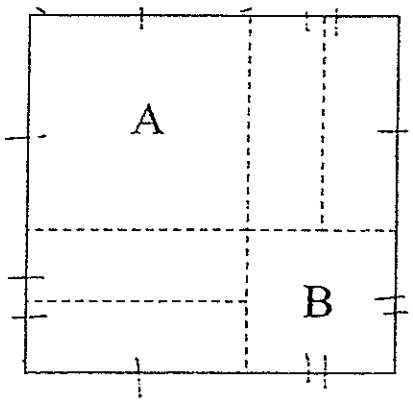


Answer : _____ cm

34. A packet of flour weighs 1 000 g. Miss Tan used $\frac{1}{10}$ of it for baking and gave $\frac{1}{5}$ to her sister. How much flour had she left?

Answer : _____ g

35. The figure below is made up of Square A, Square B and 4 identical rectangles. If the area of Square A is 49 cm^2 and Square B is 25 cm^2, what is the perimeter of the figure?



Answer : _____ cm

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 A tailor bought some buttons to sew on some shirts. She sewed 12 buttons on each shirt and had 43 buttons left. How many buttons did the tailor buy if she sewed 136 shirts?

Answer: _____ [3]

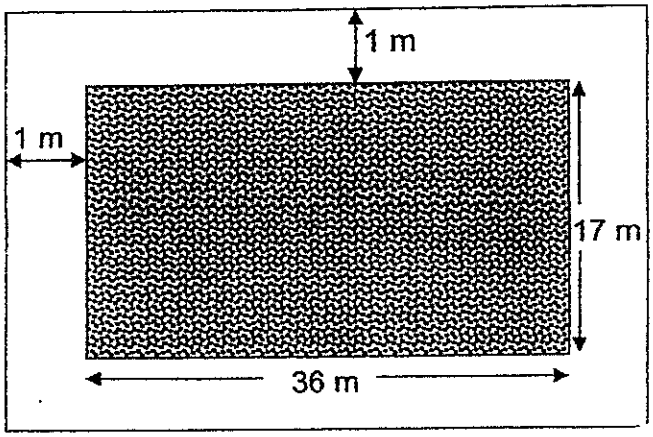
37. 2 similar mangoes and 4 similar oranges weigh $\frac{4}{5}$ kg. If each orange weighs $\frac{1}{10}$ kg, what is the mass of 20 mangoes?

Answer: _____ [3]

38. Paul bought 4 chairs and a table for $2680. The table costs $485 more than the cost of a chair. Find the cost of the table.

Answer : _____ [4]

39. Miss Chua has a vegetable garden measuring 36 m by 17 m. There is a path with a border of 1 m along each side of the vegetable garden. Find the area of the path.



Answer: _____ [4]

40. Marcell and Niva had the same number of cards. When Marcell gave away 128 of his cards and Niva gave away 35 cards, Niva had 4 times as many cards as Marcell. How many cards did each of them have at first?

Answer: _____ [4]

41. A rectangular room measures 48 m by 37 m.

a) What is the perimeter of the room?

b) Ali covered $\frac{5}{8}$ of the room with carpet. What is the area of the room not covered with carpet?

Answer: (a) _____ [1]

(b) _____ [3]

42. Ray had some marbles. He gave 369 of them to his neighbour and sold $\frac{2}{7}$ of the remainder to his friends. Ray was then left with 105 marbles. How many marbles did Ray have at first?

Answer: _____ [4]

43. At a carnival, the number of males is equal to the number of females. After half a day, $\frac{5}{12}$ of the males and $\frac{2}{3}$ of the females left the carnival. If 2576 males remained at the carnival, how many females remained at the carnival?

Answer: _____ [4]

End – of – Paper

EXAM PAPER 2015
LEVEL : PRIMARY 4
SCHOOL : ANGLO CHINESE SCHOOL PRIMARY (BAKER ROAD)
SUBJECT : MATHS
TERM : SA1

Q 1	Q 2	Q 3	Q 4	Q 5	Q 6	Q 7	Q 8	Q9	Q 10
4	2	4	3	1	2	1	3	4	2
Q 11	Q 12	Q 13	Q 14	Q 15					
2	3	4	4	3					

Q16. 90408. **Q17.** 13697. **Q18.** 3 and 33 **Q19.** $\frac{9}{16}$ **Q20.** $3\frac{1}{9}$

Q21. $\frac{4}{9}$ and $\frac{5}{12}$ **Q22.** 86. **Q23.** 76321

Q24. 47382, 47832, 48723, 48732 **Q25.** $19200

Q26. $91 → 35 x 13 = 455, 455÷5=91

Q 27. 22° **Q28.** 20 →42−18=24, 24÷6=4, 4x5=20

Q29. 36cm → 352 – 64=288, 288÷8=36.

Q30. 40cm² → 10 x 10 =100, 100÷5=20, 20 + 20 = 40

Q31. AG **Q32** $\frac{1}{3}$ **Q33.**36cm **Q34.** 700g →1000÷10=100, 100 x7 = 700

Q35. 48cm → perimeter → 49 = 7 x 7 , 25 = 5 x 5 , (7x4) + (5x4) = 48

Q36. 1675 → 136 x 12 = 1632, 1632 + 43 = 1675

Q37. 4kg → $\frac{1}{5}$ x 20 = $\frac{20}{5}$ = 4

Q38. $924. → 2680 – 485 = 2195, 2195 ÷ 5 = 439, 439 + 485 = 924

Q39. 110m²→1+1=2, 36+2=38,1+1=2, 17+2=19,38 x 19=722,36 x17 = 612, 722−612=110

Q40. 159 → 30→93 (128−35), 1U → 31, 4U→124, 124 + 35 = 159

Q41a. 170m, **Q41b.** 666m² → 48 x 37 x 2 = 170, 48÷8=6, 37 x 18=666

Q42. 516 → 5U of reminder (or) → 105 , 1U or 21 → 21, 7U → 147, 369 + 147 = 516

Q43. 1472 → 7U → 2576, lU → 368 , 4U→1472

THE END