Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2012
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Name: _____ ( ) Class: Primary 4 ___

Date: 31 October 2012 Duration of Booklet A & B: 1h 45min

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 8 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. The value of the digit 7 in 97 325 is _____.

   (1) 70

   (2) 700

   (3) 7 000

   (4) 70 000

2. 35 689 rounded off to the nearest hundred is _____.

   (1) 35 600

   (2) 35 690

   (3) 35 700

   (4) 36 000

3. In which of the following numbers does the digit 3 stands for 3 tenths?

   (1) 356.39

   (2) 763.87

   (3) 935.16

   (4) 975.93

4. Which number is the first common multiple of 6 and 8?

(1) 14

(2) 2

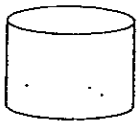
(3) 24

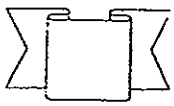
(4) 48

5. Which of the following figure has **more than** two symmetrical lines?

(1) 

(2) 

(3) 

(4) 

6. Which of the following decimals is the greatest?

(1) 0.043
(2) 0.135
(3) 0.410
(4) 0.404

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

(1) 9
(2) 16
(3) 18
(4) 20

8. 7 is a common factor of both _____ and _____.

(1) 14, 17
(2) 17, 21
(3) 21, 27
(4) 28, 35

9. Find the value of $\frac{7}{9} - \frac{1}{3}$.

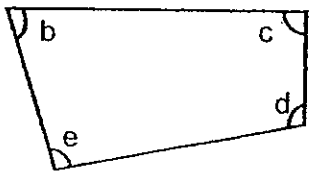
(1) $\frac{2}{3}$

(2) $\frac{8}{9}$

(3) $\frac{4}{9}$

(4) $\frac{6}{9}$

10. In the figure, which angle is smaller than a right angle?



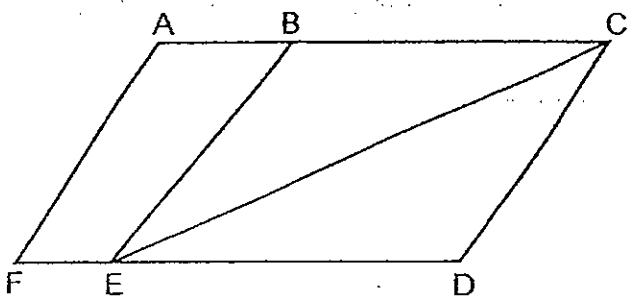
(1) ∠b

(2) ∠c

(3) ∠d

(4) ∠e

11. In the figure, one of the lines is parallel to CD. Which line is parallel to CD?



(1) BC

(2) BE

(3) AF

(4) FD

12. Mandy wants to change an equal number of $2-note and $5-note. If she gives the bank-teller seven $10-notes, how many notes will she get?

(1) 2

(2) 3

(3) 20

(4) 35

13. Zimin left school at 14 00. He waited 12 min for a bus and arrived home at 15 05. How long was the bus journey from the school to his home?

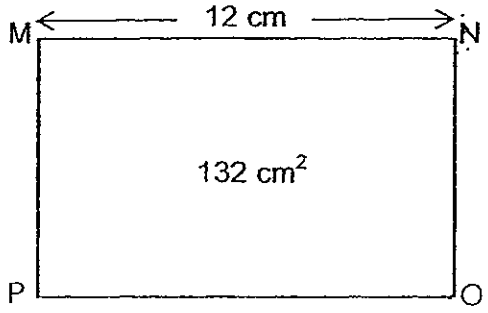
(1) 77 min

(2) 65 min

(3) 55 min

(4) 53 min

14. The area of the rectangle MNOP is 132 cm^2. If the length of MN is 12 cm, what is the perimeter of the rectangle?



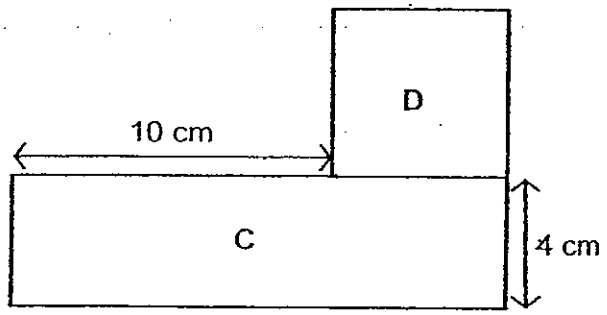
(1) 54 cm

(2) 46 cm

(3) 23 cm

(4) 11 cm

15. The figure shown is made up of a rectangle C and a square D. If the total perimeter of the whole figure is 48 cm, what is the area of rectangle C?



(1) 25 cm^2

(2) 40 cm^2

(3) 60 cm^2

(4) 90 cm^2

Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2012
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ ( ) Class: Primary 4___

Date: 31 October 2012 Duration of Booklet A & B: 1h 45min

_____
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.

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

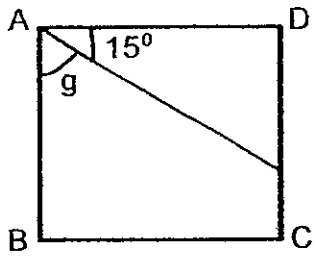
SECTION B - Short Answers (40 MARKS)

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 $\frac{29}{3}$ as a mixed number in its simplest form.

Ans: _____

17. ABCD is a square. Find $\angle g$.



Ans: _____ °

18. What is the value of 234 x 88?

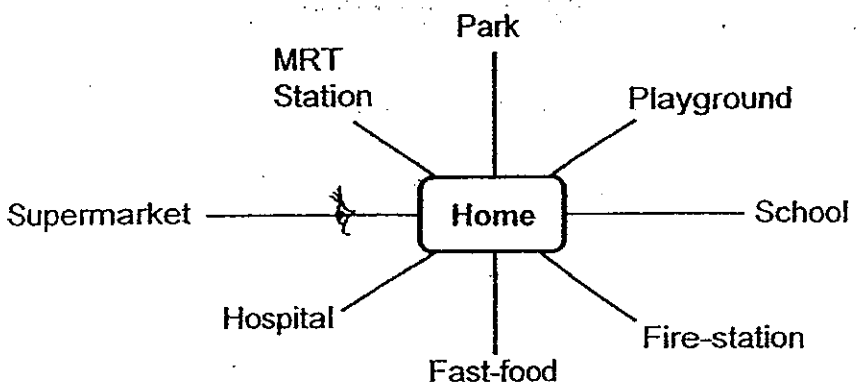
Ans: _____

19. $\frac{1}{2} - \frac{5}{12} =$ _____

Ans: _____

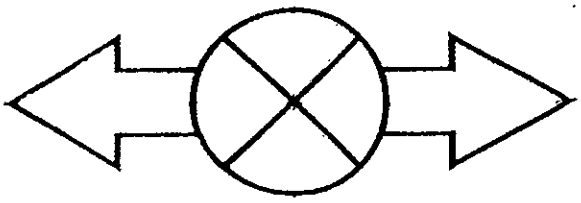
35

20. Emily is at home. She is facing the supermarket, if she turns _____ ^{0} clockwise, she will face the fast-food.



Ans: _____ ^{0}

21. Draw the <u>two</u> lines of symmetry on the figure below.

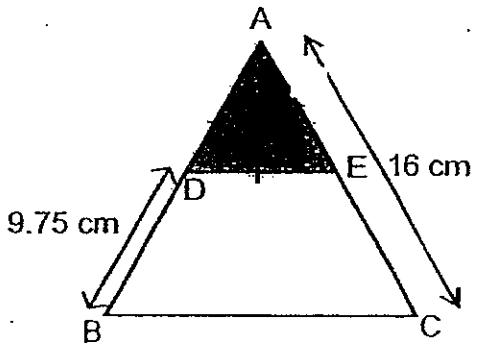


22. Write the missing number in the number pattern below.

2 599, 2 266, 1 933, _____, 1 267

Ans: _____

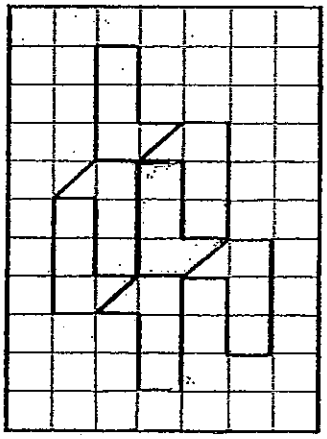
23. In the given figure, AD = AE = DE and AB = AC = BC.
The length of AC is 16 cm. Given that BD is 9.75 cm, find the perimeter of the shaded triangle ADE.



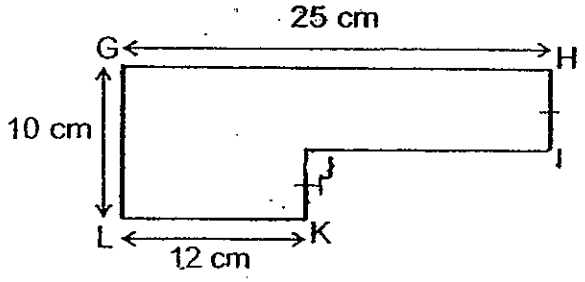
Ans: _____ cm

24. The pattern in the box shows part of a tessellation.

Shade a unit and extend the tessellation by drawing **two** more unit shapes in the space provided within the box.

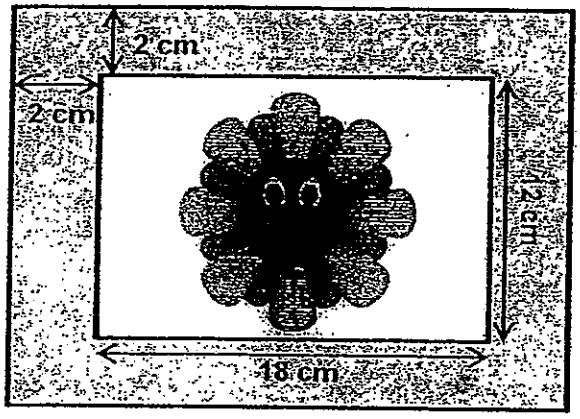


25. Find the perimeter of the figure given below.



Ans : _____ cm

26. A wooden frame, with width of ~~2 cm,~~ is used to frame a drawing 18 cm by 12 cm. Find the area of the frame.



Ans: _____ cm^2

27. Trees are planted 6 m apart along a footpath at the Gardens by the Bay.

If the path is 60 m long, find the total number of trees along this stretch of footpath.

Ans: _____

28. Write thirteen thousand and forty-eight in figures.

Ans: _____

29. $6.05 + 4 =$ _____ .

Ans: _____

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

$$\frac{7}{9}, \quad \frac{3}{8}, \quad \frac{4}{6}, \quad \frac{5}{12}$$

Ans: _____ and _____

31. Express $\frac{67}{100}$ as a decimal.

Ans: _____

32. Round off 13.55 to the nearest whole number.

Ans: _____

33. $1\frac{1}{2} + \frac{1}{6} =$ ☐

Ans: _____

34. Joan spent $\frac{1}{6}$ of her salary on a dress. The dress cost $278. How much was her salary?

Ans: $ _____

35. $\frac{2}{7}$ of the children in a class are boys. There are 15 girls in the class. How many more girls than boys are in the class?

Ans: _____

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. Yee Lin had 564 books. She gave $\frac{1}{3}$ of them to Jack and another 18 books to Mrs Lim. How many books had Yee Lin left?

Ans:_____ [3]

37. A computer costs $2 250. If Peter uses the same amount of money to buy 3 similar smartphones, he will receive a change of $6. How much cheaper is a smartphone than a computer?

Ans:_____ [3]

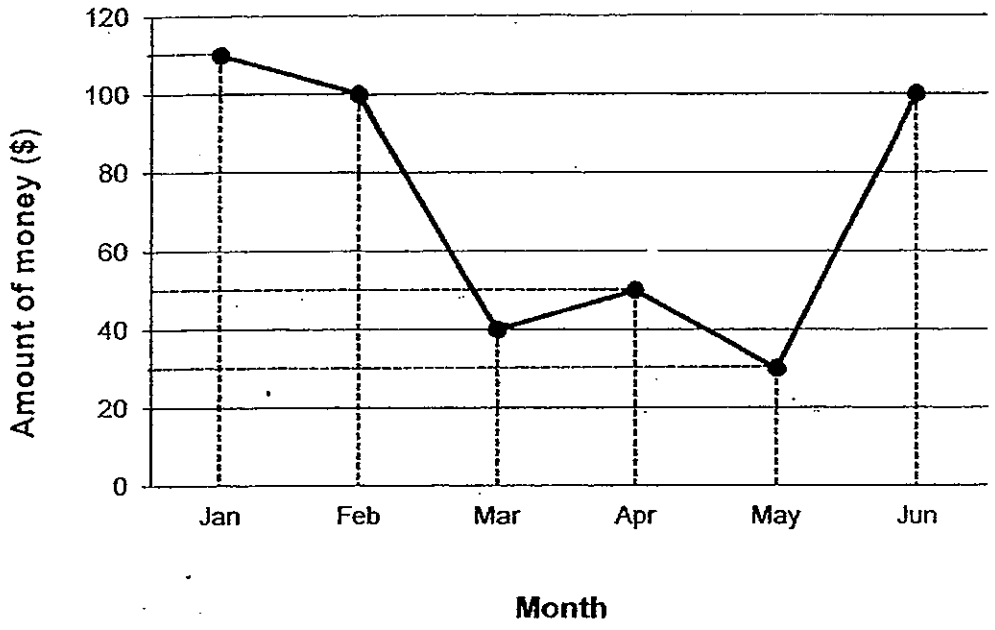
38. Hanna started her Science SA2 Practice Paper at 08 00. She took 1 minute each to complete the 30 multiple choice questions. She continued the rest of the paper, using 4 minutes each for the next 25 questions. At what time did she complete her Science Practice Paper?

Ans:_____ [4]

39. Basket A had thrice as many balls as Basket B. Jane put 84 balls into Basket A and 150 balls into Basket B. Now, both baskets had equal number of balls. How many balls were there in Basket A at first?

Ans:_____[4]

40. The graph below shows the amount of Sean's savings over 6 months.



a) Between which two months do his savings decrease the most?

Ans: _____ and _____ [1]

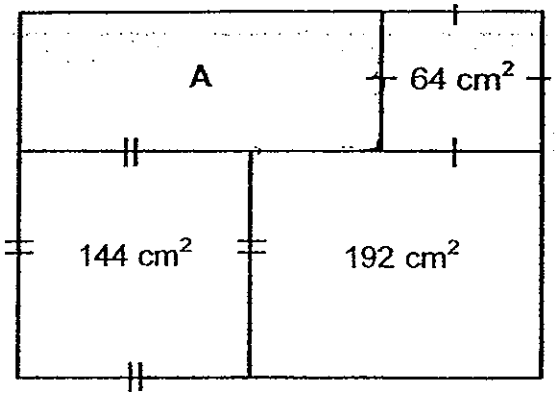
b) What was the difference between Sean's highest and lowest savings?

Ans: _____ [1]

c) What is Sean's total savings after 6 months?

Ans: _____ [2]

41. The figure below, not drawn to scale, is made up of 2 squares and 2 rectangles.



a) Find the area of rectangle A.

b) Find the perimeter of the whole figure.

Ans: (a) _____ [2]

(b) _____ [2]

42. 3 bars of chocolate and 2 cans of soda cost $24.20. If one bar of chocolate cost $1.40 more than a can of soda, find the cost of 1 bar of chocolate.

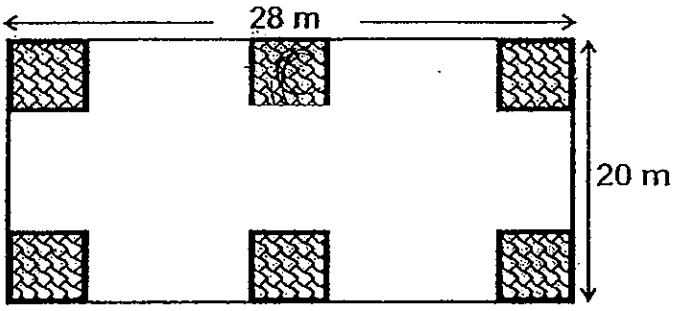
Ans:_____ [4]

43. The figure below shows a rectangular auditorium of sides 28 m by 20 m. Six identical square planters are placed in the auditorium as shown. The total area of the 6 identical planters is 24 m^2.

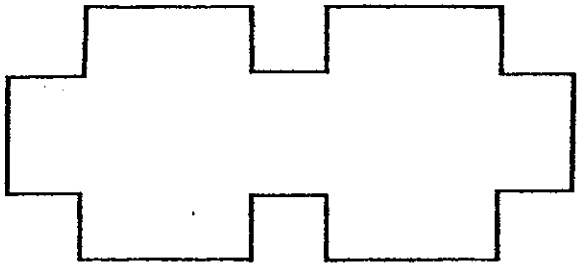
Find the

a) area of the auditorium that is not covered by the planters.

b) perimeter of the auditorium that is not covered by the planters.



Layout of Auditorium with planters



Layout of Auditorium not covered by planters

Ans: (a) _____ [2]

(b) _____ [2]

ANSWER SHEET

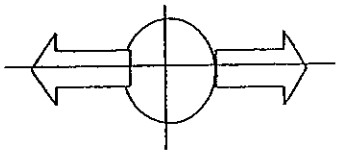
EXAM PAPER 2012

SCHOOL : ACS
SUBJECT : PRIMARY 4 MATHEMATICS

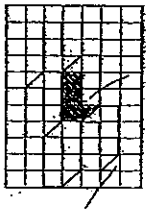
TERM : SA2

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

16) $9\frac{2}{3}$ **17)** 75° **18)** 20592 **19)** 1/12 **20)** 270°

21) 

22) 1600 **23)** 18.75cm **24)**



25) 70cm

26) $27 \times 16 - 18 \times 12 = 352 - 216$
$= 136cm^2$

27) $60 \div 6 \div 1 = 10 + 1 = 11$

28) 13048

29) 10.05

30) 3/8 and 5/12

31) 0.67

32) 14

33) $1\frac{4}{6} = 1\frac{2}{3}$

34)$278 x 6 = $1668

35)15÷5 = 3
3 x 2 = 6
15 – 6 = 9

36)564÷3 = 188
564 – 188 = 376
376 – 18 = 358
She left 358 books.

37)2250 – 6 = 2244
2244÷3 = 748
2250 – 748 = $1052
It is $1052 cheaper.

38)30 x 1 = 30 min
25 x 4 = 100 min
100 + 30 = 130 min
130 = 2h 10 min
0800 + 2h 10 min = 1010
At 1010

39)150 – 84 = 66
66÷2 = 33
33 x 3 = 99
Basket A had 99 balls at first.

40)a)Feb and Mar
b)110 – 30 = $80
c)110+100+40+50+30+100 = $430

41)a)160cm_2
b)(28+20)x2 = 96cm

42)$1.40 x 3 = $4.20
$24.20 – $4.20 = $20.00
$20.00÷5 = $4.00
$4.00 + $1.40 = $5.40
The cost is $5.40

43)a)28 x 20 = 560
560 – 24 = 536
The area is 536m_2
b)104m