Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2015
MATHEMATICS
BOOKLET A
PRIMARY FOUR

Name: _____ **Class: Primary 4** _____

Date: 30 October 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. Thirty-eight thousand and forty-three in figures is _____.

   (1) 38 034

   (2) 38 043

   (3) 38 403

   (4) 38 430

2. 45 659 rounded off to the nearest hundred is _____.

   (1) 45 600

   (2) 45 660

   (3) 45 700

   (4) 46 000

3. In which of the following numbers does the digit 7 stands for 7 hundredths?

   (1) 137.234

   (2) 234.187

   (3) 324.768

   (4) 432.176

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

$$\frac{1}{4}, \frac{5}{6}, \frac{7}{12}$$

(greatest) *(smallest)*

(1) $\frac{1}{4}, \frac{7}{12}, \frac{5}{6}$

(2) $\frac{5}{6}, \frac{7}{12}, \frac{1}{4}$

(3) $\frac{7}{12}, \frac{5}{6}, \frac{1}{4}$

(4) $\frac{7}{12}, \frac{1}{4}, \frac{5}{6}$

5. $\frac{20}{100} =$ _____.

(1) 0.002

(2) 0.02

(3) 0.2

(4) 0.5

6. $12\frac{7}{9} = \frac{\boxed{?}}{9}$

What is the missing number in the box?

(1) 115

(2) 108

(3) 93

(4) 84

7. 6 identical poles are placed in a row at equal distances. The distance between the first and third pole is 12 m. What is the distance between the first and sixth pole?

(1) 20 m

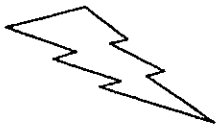
(2) 24 m

(3) 30 m

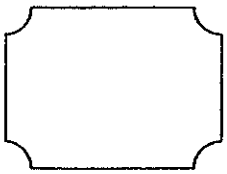
(4) 36 m

8. Which of the following figures can tessellate?

(1)

(2) 

(3)

(4) 

9. A concert started at 9.55 a.m. and ended at 12.30 p.m.
How long was the concert? Give your answer in hours and minutes.

(1) 2 h 30 min

(2) 2 h 35 min

(3) 3 h 15 min

(4) 3 h 35 min

10. Write $6\frac{14}{20}$ as a decimal.

(1) 6.14

(2) 6.20

(3) 6.34

(4) 6.70

11. A rectangle measures 16 cm by 4 cm. It has the same area as a square.
Find the perimeter of the square.

(1) 8 cm

(2) 10 cm

(3) 32 cm

(4) 64 cm

12. Squares A, B and C have a total area of 170 cm^2. Square A has an area of 64 cm^2. The area of Square B is 25 cm^2. What is the length of Square C?

(1) 40 cm

(2) 36 cm

(3) 3 cm

(4) 9 cm

13. Amir used different shapes to make a pattern. The first 15 shapes are shown below. What is the 28^{th} shape?

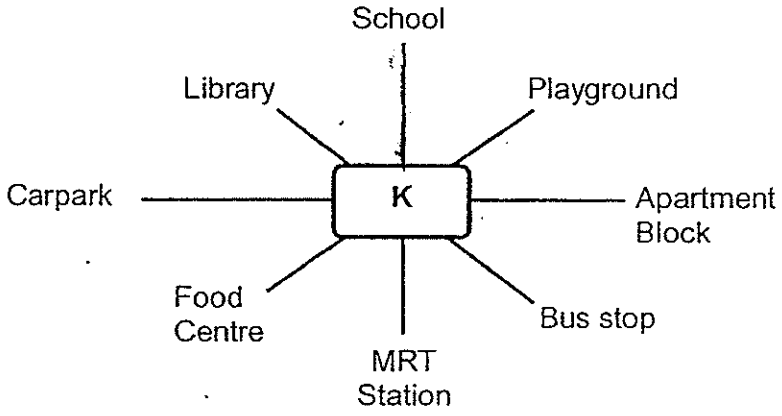
(1)

(2)

(3)

(4)

14. Kyra is standing at the point marked **K** in the figure below. She is facing the food centre. What will she face when she turns 225° anti-clockwise?



(1) Bus Stop

(2) Playground

(3) Library

(4) School

15. Bob, Carl and Dan had $76 altogether. Bob and Carl had the same amount of money. Dan had $10 more than Bob. How much did Carl have?

(1) $22

(2) $32

(3) $33

(4) $66

Anglo-Chinese School (Primary)

END-OF-YEAR EXAMINATION 2015
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ Class: Primary 4 _____

Date: 30 October 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 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. What is the value of the digit **3** in 23 794?

Answer : _____

17. Write $\frac{94}{6}$ as a mixed number in its simplest form.

Answer : _____

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

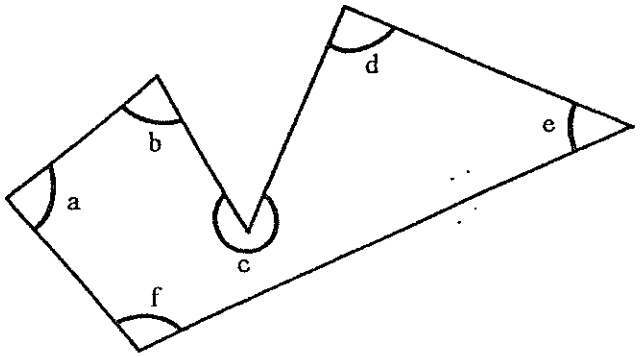
$$\frac{4}{5}, \quad 0.087, \quad 0.87$$

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

19. What is the remainder when 2 936 is divided by 7?

Answer : _____

20. Which of the marked angles in the figure below are right angles?



Answer : ∠_____ and ∠_____

21. What is the sum of 0.78, 7.08 and $\frac{780}{100}$? Express your answer as a decimal.

Answer : _____

22. Which two of the fractions below are equivalent to $\frac{8}{12}$?

$$\frac{1}{2}, \quad \frac{2}{3}, \quad \frac{3}{4}, \quad \frac{4}{6}$$

Answer : _____ and _____

23. The table below shows the prices of two items sold in three shops.

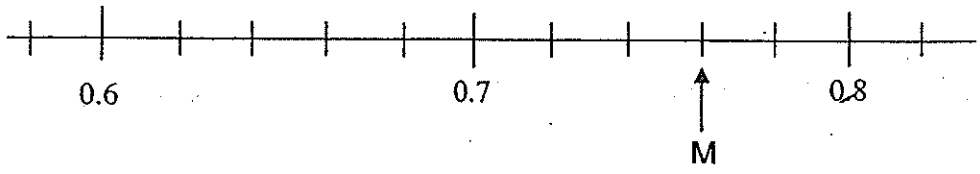
Shop	Price of a loaf of bread	Price of a bottle of water
A	$1.10	75¢
B	$1.25	55¢
C	$1.35	60¢

Tom wants to buy a loaf of bread and a bottle of water.

In which shop will the total price for the two items be the lowest?

Answer : Shop _____

24. Write the decimal represented by M.



Answer : _____

25. Lana watched a movie which lasted 2 hours 45 minutes. The movie started at 6.25 p.m. What time did the movie end?
Express your answer in the 24-hour clock format.

Answer : _____

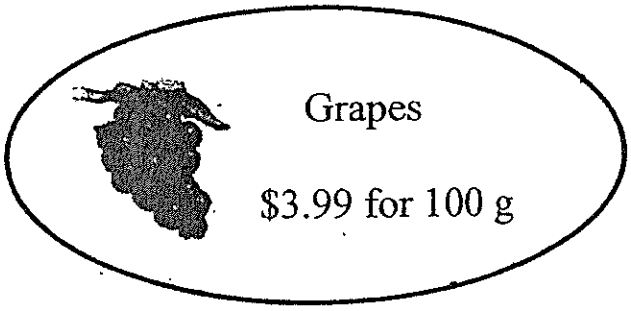
26. A string measuring 65 m is cut into 7 equal pieces. What is the length of each piece of string? Round off your answer as a decimal to 2 decimal places.

Answer : _____ m

27. What is the value of $2+\frac{3}{10}+\frac{2}{5}$. Express your answer as a mixed number.

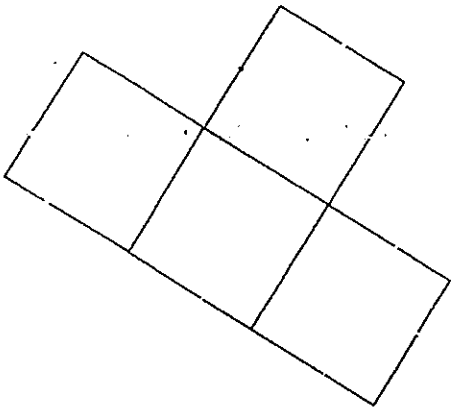
Answer : _____

28. Mrs Tan bought 800 g of grapes from a fruit stall. How much did she pay in all?



Answer : $ _____

29. The figure below is made up of 4 identical squares. The perimeter of the figure is 180 cm. What is the area of each square?

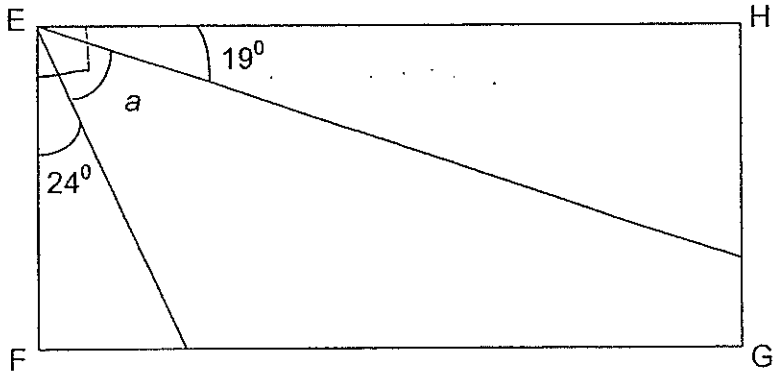


Answer : _____ cm^2

30. There are 3 traffic lights on a street. Traffic light A turns red every 3 minutes. Traffic light B turns red every 4 minutes and Traffic light C turns red every 6 minutes. At 6 p.m., all the traffic lights will turn red at the same time. When is the next earliest time all the traffic lights will turn red? Express your answer in the 12-hour clock format.

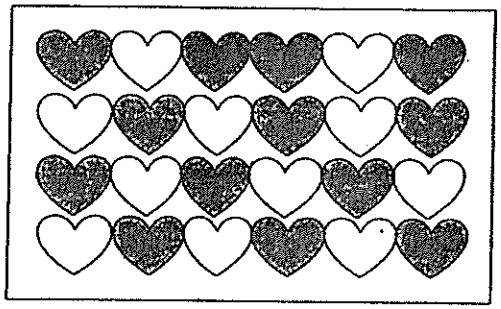
Answer : _____ p.m.

31. In the figure shown, EFGH is a rectangle. Find $\angle a$.



Answer : _____ °

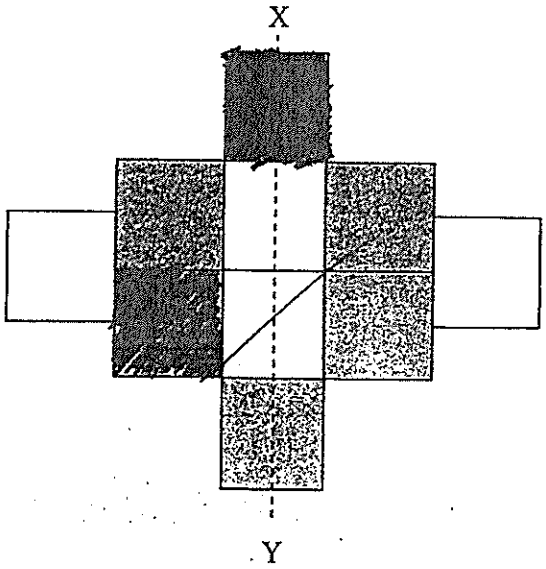
32. The figure below shows 24 hearts. 13 of the hearts are shaded. If $\frac{5}{6}$ of all the hearts are to be shaded, how many more hearts need to be shaded?



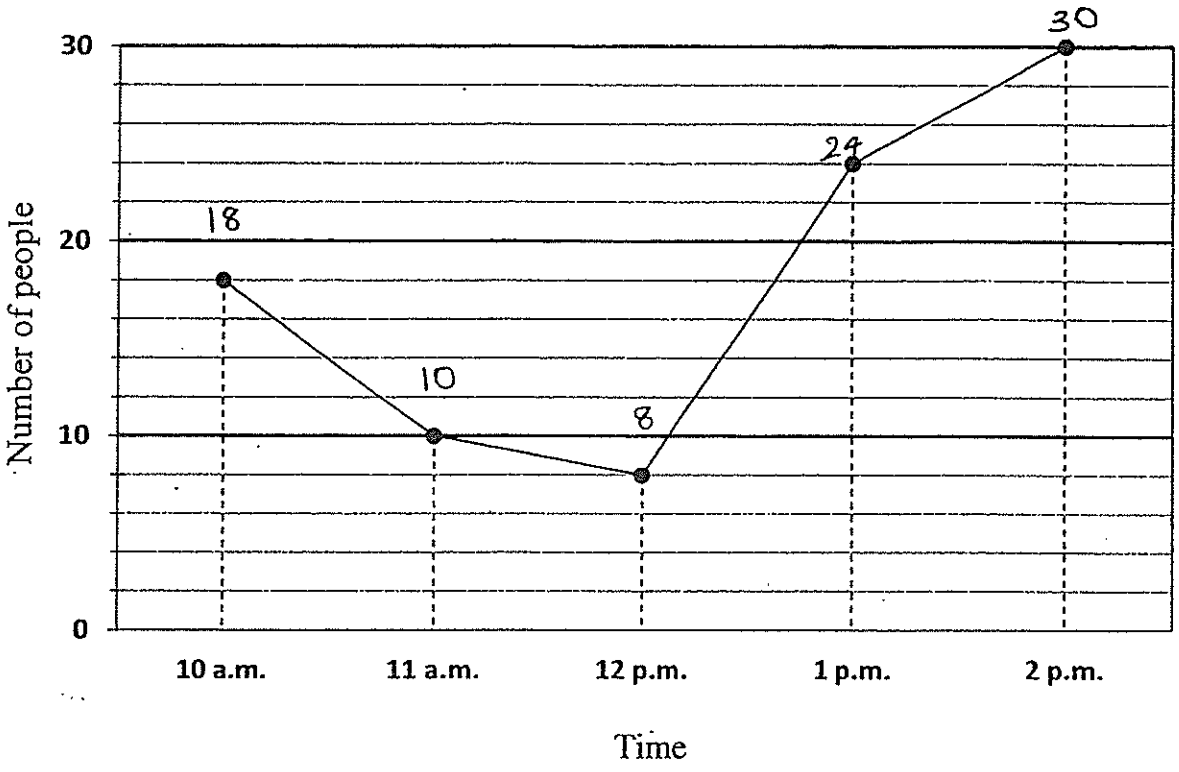
Answer : _____

33. In the figure below, the dotted line XY is the line of symmetry.

Shade <u>two</u> more unit squares on the figure below to complete the symmetric figure.



Study the graph below carefully and answer questions 34 and 35. The graph below shows the number of people who visited a store from 10 a.m. to 2 p.m. on Monday.



34. What was the total number of people who visited the store from 10 a.m. to 2 p.m.?

Answer : _____

35. During which hour was the greatest increase in visitors?

Answer : Between _____ and _____

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. Alice bought 6 boxes of apples. Each box contained 25.65 kg of apples. Alice repacked all the apples equally into 9 bags.

What was the mass of apples in each bag?

Answer: _____ [3]

37. 3 pears and 2 mangoes cost $13.50. A pear and a mango cost $6.10.

How much does a mango cost?

Answer: _____ [3]

38. $\frac{7}{10}$ of the people at the party were children and the rest were adults.

a) There are 52 fewer adults than children. How many people were at the party altogether?

b) After a while, some children left the party. The number of adults left was three times the number of children remaining. How many children left the party?

Answer: a) _____ [2]

b) _____ [2]

39. Rena left home to go to the market. She walked for 15 minutes to her bus stop. Her bus journey to the market was 55 minutes.

a) How long did she spend travelling to the market from home?

Give your answer in hours and minutes.

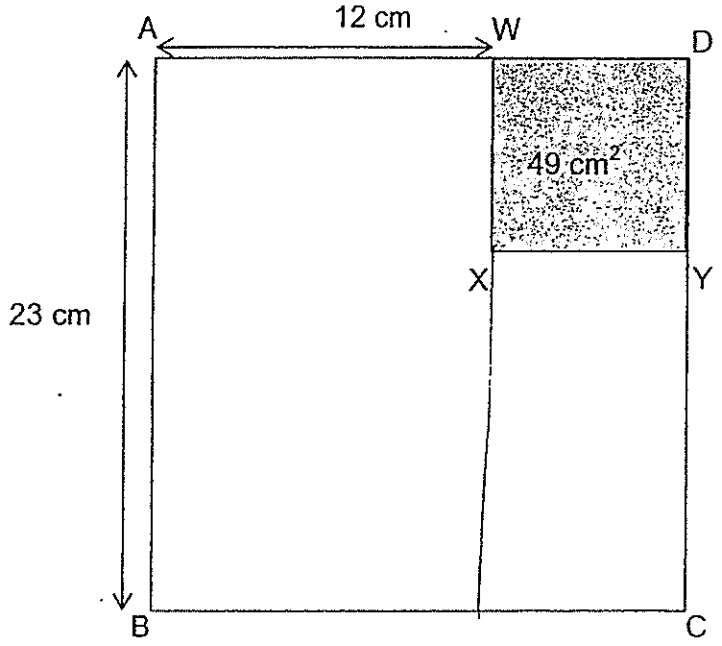
b) She spent 2 h 40 min at the market and left at 14 12. What time did she arrive at the market?

Draw a timeline to show your working.

Answer: (a) _____ [2]

(b) _____ [2]

40. In the figure below, not drawn to scale, ABCD is a rectangle and WXYD is a square. The area of WXYD is 49 cm^2 and AW is 12 cm. Find the area of the unshaded part of the figure.



Answer: _____ [4]

41. In a class library, $\frac{5}{12}$ of the books are English books. $\frac{1}{4}$ of them are Chinese books and the rest are 16 Malay and Tamil books.

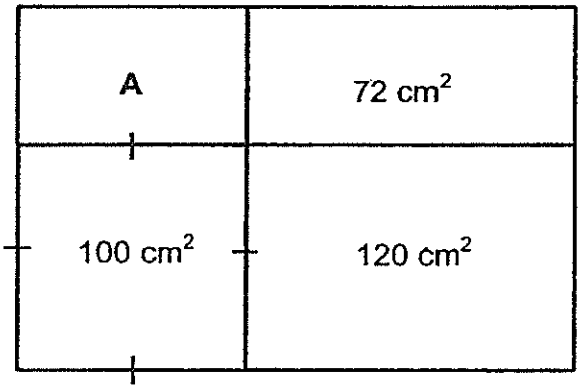
a) How many Chinese books are there in the library?
non-english

b) 18 books are then loaned out to pupils. What fraction of the books left are English books?

Answer: a) _____ [2]

b) _____ [2]

42. The figure below, not drawn to scale, is made up of a square and 3 rectangles. The square has an area of 100 cm^2. Find the area of Rectangle A.



Answer: _____ [4]

43. Rose had some money to buy some cupcakes. If she bought 12 cupcakes, she would need $17 more. If she bought 7 cupcakes, she would be left with $3. How much money did Rose have?

Answer: _____ [4]

End-of-Paper

EXAM PAPER 2015
LEVEL : PRIMARY 4
SCHOOL : ANGLO CHINESE SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM : SA2

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

Q16. 3000 Q17. 15⅔

Q18. 0.87 (greatest), ⅘, 0.087 (smallest) Q19. 3➔ 2936 ÷ 7= 419 R3

Q20. ∠a and ∠d Q21. 15.66➔ 7.8+7.08+.78=15.66 Q22. ⅔ and $\frac{4}{6}$

Q23. Shop B ➔Shop A: 1.10+0.75=1.85, Shop B:1.25+0.55=1.8, Shop C:1.35+0.60=1.95

Q24. 0.76 Q25. 2110

Q26. 9.29m ➔ 65÷7= 9.28... ≈9.29, 65÷7=9.285≈9.29

Q27. 2½➔ $2+\frac{3}{10}+\frac{2}{5}=2+\frac{3}{10}+\frac{4}{10}=2\frac{7}{10}$

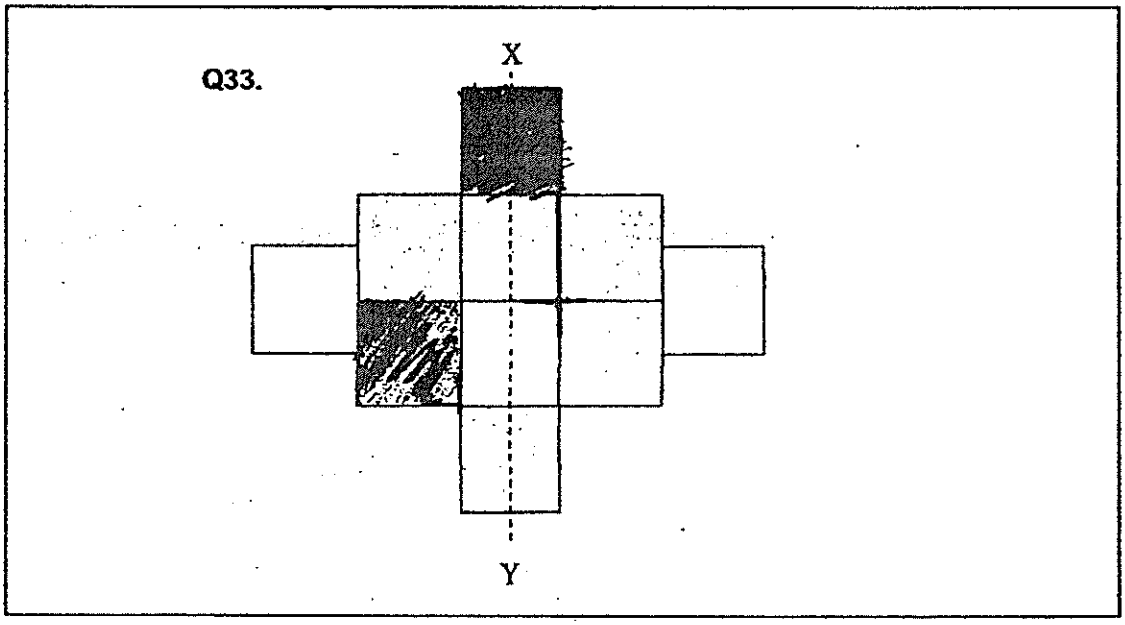
Q28. $31.92➔ 3.99 x 8 = 31.92

Q29. 324cm²
Total sides=10 sides, 10 sides = 180, 1 side = 180 ÷ 10 = 18, Area=18 x 18 =324

Q30. 6.12p.m.
A (every 3 minutes) : 3,6,9,12,15.....
B (every 4 minutes) : 4, 8, 12, 15.....
C (every 6 minutes) : 6, 12, 18,24, ...

Q31. 47° ➔24=19=42, 90 – 43 = 47 Q32. 7 more➔ 20 – 13 = 7 **Q33. SEE PICTURE**

Q33.



Q34. 90 visitors ➔18+10+8+24+30=90 Q35. Between 12p.m and 1p.m

Q36. 17.1kg ➔25.65 x 6 = 153.90, 153.90 ÷9=17.1

Q37. $4.80
3P &3M =13.50, 1P&1M=6.10,
2P&1M=13.50-6.10=7.40, 1P=7.40-6.10=1.30, 1M=6.10-1.30=4.80

Q38a. 130 ➔1u: 52÷4=13, 10u:13 x 10=130

Q38b. 78➔ 39÷3=13, 91-13=78

Q39a. 1hr 10min➔ 55min +15min = 70min = 1h10min Q39b. 1132

Q40. 388cm²
WD =√49 = 7, YC = 23-7=16,
Area of F = 16 x 7 = 112, Area of E = 23 X 12 =276
Area of E &F ➔276+112=388

Q41a. 12 Chinese books
4u ➔16, 1u 16÷4=4, 3u 4 3 = 12

Q41b. ⅔
5u➔ 4x5=20, 12u 4x12=48, 48-18=30, $\frac{20}{30}$ = ⅔

Q42. 60cm² ➔√100 = 10, 120÷10=12, 72÷12=6, 10 x 6 = 60

Q43. $31
Gap = 5 cupcakes, difference = 17=3=20, 1 cupcake = 20÷5=4
12 cupcakes = 12 x 4=48, 48-17=31
7 cupcakes = 7x4=28, 28+3=31

THE END