AI TONG SCHOOL

2013

SEMESTRAL ASSESSMENT 1

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 15 May 2013

INSTRUCTIONS
Do not open the booklet until you are told to do so.
Follow all instructions.
Answer all questions.

Name : _____( )

Class : Primary 4_____

Marks:

Section A	26
Section B	40
Section C	32
Total	98

Parent's Signature: _____

Date : _____

Section A

Questions 1 to 14 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 oval (1, 2, 3 or 4) on the Optical Answer Sheet with a 2B pencil. **(28 marks)**

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1 In the number 18 240, what is the place value of the digit 1?

(1) tens

(2) hundreds

(3) thousands

(4) ten thousands

2 What is the sum of the first 4 multiples of 3?

(1) 30

(2) 24

(3) 12

(4) 7

3 Which of the following is a common factor of 18 and 42?

(1) 9

(2) 8

(3) 6

(4) 4

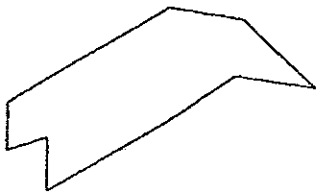
4 How many pairs of parallel lines are there in the figure below?

(1) 1

(2) 2

(3) 3

(4) 4



5 What is the sum of 10 hundreds, 4 tens and 2 ones?

(1) 10 420

(2) 10 042

(3) 1042

(4) 142

6 Which of the following numbers is 5400 when rounded off to the nearest hundred?

(1) 5291

(2) 5309

(3) 5363

(4) 5450

7 When a number is divided by 9, it has a quotient of 702 and a remainder of 5. What is the number?

(1) 73

(2) 83

(3) 6313

(4) 6323

8 Mary used $\frac{2}{5}$ kg of flour to bake a cake and $1\frac{3}{10}$ kg of flour to bake some cookies. How much flour did she use altogether?

(1) $\frac{9}{10}$ kg

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

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

(4) $1\frac{7}{10}$ kg

9 What is the $\frac{3}{7}$ x 15?

(1) $\frac{5}{7}$

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

(3) $6\frac{3}{7}$

(4) $15\frac{3}{7}$

10 Mrs Lim had \$99. She spent $\frac{1}{3}$ of it on a blouse and $\frac{2}{9}$ of it on a skirt. How much did she spend altogether?

(1) \$55

(2) \$22

(3) \$33

(4) \$44

11 There were 32 girls and 10 boys in a class. $\frac{1}{2}$ of the girls and $\frac{2}{5}$ of the boys took part in a competition. How many pupils in this class did not take part in the competition?

(1) 24

(2) 22

(3) 20

(4) 18

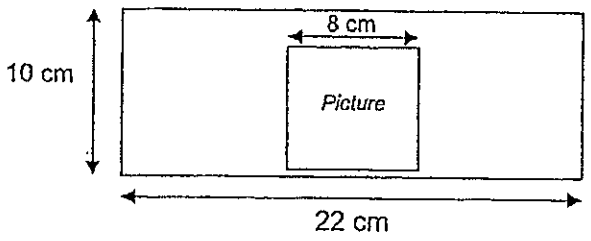
12 A 8-cm square picture is pasted on a blank rectangular cardboard measuring 22 cm by 10 cm. Find the area that is not covered by the picture.

(1) 284 cm²

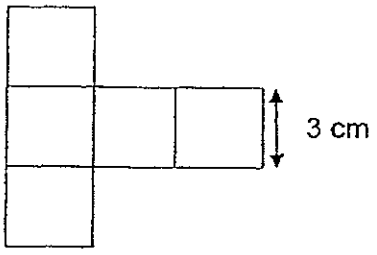
(2) 220 cm²

(3) 156 cm²

(4) 64 cm²



13 A piece of wire is bent to construct identical square as shown in the figure below. What is the length of wire used?



(1) 15 cm

(2) 36 cm

(3) 48 cm

(4) 60 cm

14 An ipad and 2 printers cost $1440. The ipad cost thrice as much as the printer. Find the cost of the ipad.

(1) $288

(2) $360

(3) $576

(4) $864

Section B

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

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15 Write twenty thousand, one hundred and three in numerals.

Ans: _____

---

16 $12 \times 123 = 14 \times 123 -$ ☐

Ans: _____

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17 What is the smallest 2-digit number that can be divisible by both 4 and 5?

Ans: _____

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18 What is the product of 34 and 12?

Ans: _____

8

19 Find the missing value in $3\frac{3}{4} = 1 + 1 + \frac{\boxed{?}}{4}$

Ans: _____

---

20 Arrange the fractions in descending order.

$$\frac{11}{4} \quad , \quad \frac{1}{2} \quad , \quad \frac{7}{8} \quad , \quad \frac{13}{8}$$

Ans: _____

---

21 Mrs Lim had a ribbon measuring 882 cm. She cut it into 9 equal pieces. She gave a piece each to her 8 friends. She used 35 cm of the last piece to tie a parcel. What was the length of ribbon left?

Ans: _____ cm

6

22 Some children were playing in the school field. $\frac{2}{3}$ of them were girls. There were 14 boys. How many girls were there?

Ans: _____

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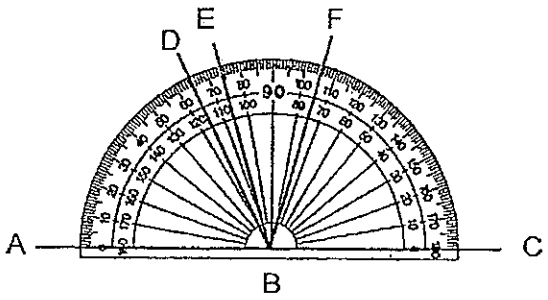
23 Name the correct angle that is 75°.



Ans: ∠_____

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24 Sharon is 8 years old now. Her father is 6 times her age. What was their total age last year?

Ans: _____years old

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25 A mini-van can hold 7 passengers. How many mini-vans will Mr Lee need to transport all 145 tourists to the hotel?

Ans: _____

---

26 Mr Tan has a number lock for his office. The number lock uses only 3 digits : 4, 6, 8. To unlock the office, the first digit must be bigger than the second digit. How many possible combination(s) can Mr Tan use to unlock his office?

Ans: _____

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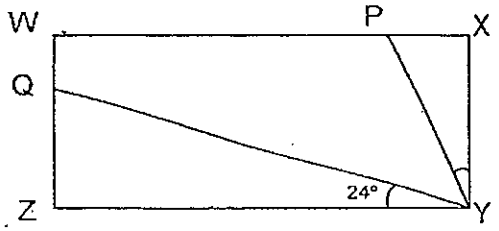
27 The figure below is not drawn to scale. ∠WXYZ is a rectangle. ∠QYZ is 24°. ∠QYP is twice of ∠PYX. Find the value of ∠PYX.



Ans: _____ °

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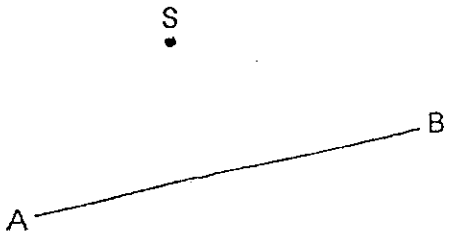
28 In the space below, draw a line ST which is perpendicular to AB.



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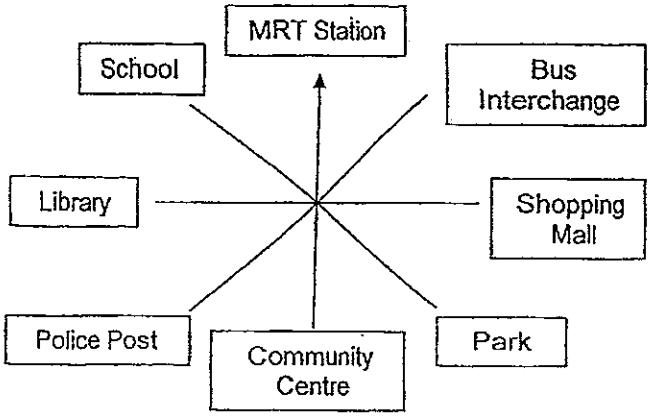
29 Ali made a 270° turn in a clockwise direction before ending up facing the Bus Interchange. Where was he facing at first?



Ans: _____

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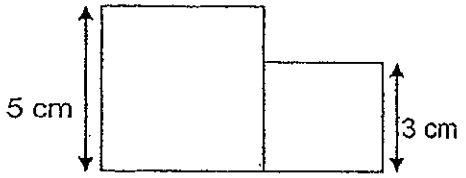
30 The figure is not drawn to scale. It is made up of two squares. What is the perimeter of the figure?



Ans: _____ cm

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31 A wall in a room measures 4 m by 3 m. The cost of painting 1 m^2 is $35. How much will it cost to paint four such walls?

Ans: $_____

---

32 The area of the rectangle as shown below is 112 cm². If its breadth is 7 cm, find its perimeter.

Ans: _____cm

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33 A rectangular cardboard measure 22 cm by 16 cm. Ali cut out 4-cm squares from this cardboard for his project. What is the maximum number of squares he can obtain?

Ans: _____

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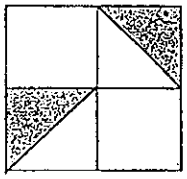
34 The figure below is made up of 4 identical squares. The perimeter of this figure is 48 cm. Find the area of the shaded part.



Ans: _____cm²

Section C

Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers in the spaces provided. **(32 marks)**

35 Lily and Huixin had the same salary. After Lily spent $840 and Huixin spent $49, Huixin had 8 times as much money as Lily had left. How much money did Huixin have left?

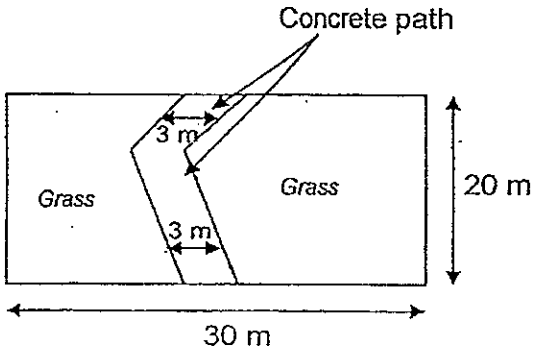
Ans: _____ [3]

36 Zhi Hao has 45 stickers and Aaron has 75 stickers. How many stickers must Zhi Hao give to Aaron so that Aaron has three times as many stickers as Zhi Hao?

Ans: _____ [3]

6

37 A concrete path of width 3 m cuts across a rectangular park. The remaining area is to be planted with grass. Find the area covered by grass.



Ans: _____ [3]

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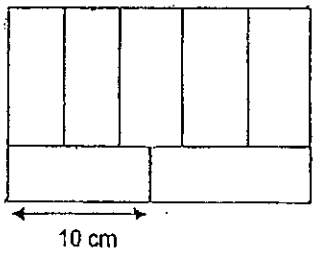
38 The figure below is made up of 7 identical rectangles. The length of each rectangle is 10 cm. Find the perimeter of the figure.



Ans: _____ [3]

6

39 A pen and a notebook cost \$11. 3 pens and a notebook cost \$19. What is the cost of 4 pens and 3 notebooks?

Ans : _____ [4]

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40 Siti has 336 beads. $\frac{3}{4}$ of the beads are red and the rest are green and blue. The number of green beads is twice the number of blue beads.
(a) How many blue beads does Siti have?

(b) If she gives away $\frac{1}{2}$ of her red beads, how many beads has she left?

Ans: _____ [4]

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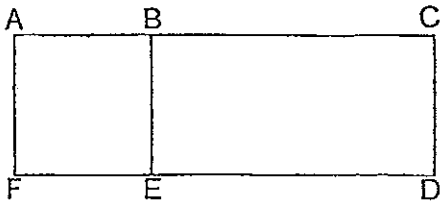
41 The figure below is made up of a square and a rectangle. The perimeter of the square is 28 cm. The perimeter of the figure is 52 cm.
(a) Find the length of ED.
(b) Find the area of the figure.



Ans: (a)_____ [2]

(b)_____ [2]

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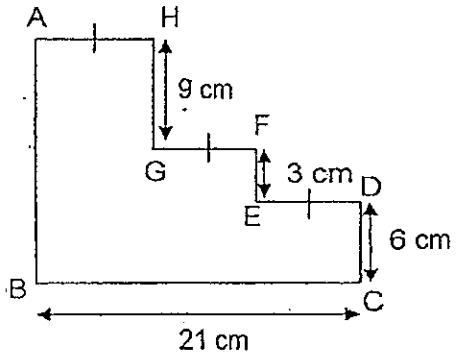
42 The figure below is made up of rectangles. BC = 21 cm, CD = 6 cm, EF = 3 cm and GH = 9 cm. Find the area of this figure.



Ans : _____ [4]

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43 Jiale had $120 more than Grace. When Jiale gave $24 to Grace, Jiale had twice as much money as Grace. How much money did Jiale have at first?

Ans: _____ [4]

4

End-of-paper

Please check your work carefully.

ANSWER SHEET

EXAM PAPER 2013
SCHOOL : AI TONG
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1

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

Void

Q15
20103

Q16
246

Q17
20

Q18
408

Q19
7

Q20
11/4, 13/8, 7/8, ½

Q21
63

Q22
28

Q23
FBC

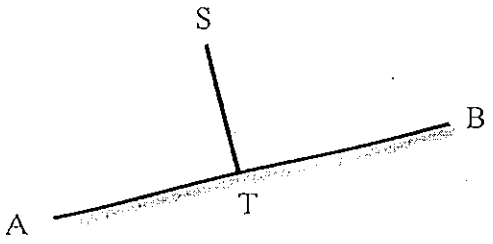
Q24
54

Q25
21

Q26
3

Q27
22

Q28



Q29
Park

Q30
26

Q31
1,680

Q32
46

Q33
20

Q34
36cm^2