AI TONG SCHOOL

2011

CONTINUAL ASSESSMENT 2

PRIMARY 4

MATHEMATICS

DURATION : 1 h 45 min

DATE : 23 August 2011

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

Name : _____( )

Class : Primary 4 _____

Section A	28
Section B	40
Section C	32
Total	100

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 What is the value of the digit 9 in 39 641?

(1) 9 ones

(2) 9 tens

(3) 9 hundreds

(4) 9 thousands

2 The product of two numbers is 1728. One of the numbers is 8. What is the other number?

(1) 172

(2) 216

(3) 1720

(4) 1736

3 A number when rounded off to the nearest hundred is 93 400. Which of the following could be the original number?

(1) 93 339

(2) 93 441

(3) 93 453

(4) 93 480

4 Which number is **not** a common factor of 24 and 36?

(1) 8

(2) 6

(3) 3

(4) 4

5 How many quarters are there in $4\frac{3}{4}$?

(1) 7

(2) 11

(3) 3

(4) 19

6 What is the answer when 5.295 is rounded off to 2 decimal places?

(1) 5.20

(2) 5.29

(3) 5.30

(4) 5.39

7 $15\frac{6}{11} = 12 + \frac{\square}{11}$. What is the missing number in the box?

(1) 6

(2) 19

(3) 33

(4) 39

8 Peter had 48 stickers. He gave $\frac{1}{4}$ of them away. How many stickers did he give away?

(1) 12

(2) 24

(3) 36

(4) 44

9 Find the product of 12.3 and 3. What is the value of the digit '3' in the product?

(1) 0.30

(2) 3.00

(3) 30.0

(4) 300

10 $16 \times 9 = 11 \times 9 + \square \times 9$

What is the missing number in the box?

(1) 5

(2) 6

(3) 7

(4) 8

11 Mary had 5 kg of rice. She gave $2\frac{1}{6}$ kg of rice to Susan and $\frac{1}{3}$ kg of rice to Linda. How many kilograms of rice had she left?

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

(2) $2\frac{1}{6}$ kg

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

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

12 A string is 59. 6 m long. Mrs Tan used 8.08 m to tie a box and cut the remaining string into 4 equal pieces. What is the length of each of these 4 equal pieces?

(1) 12.7 m

(2) 12.78 m

(3) 12.8 m

(4) 12.88 m

13 A number when divided by 7 has a quotient of 215 and a remainder of 6. What is the number?

(1) 221

(2) 228

(3) 1505

(4) 1511

14 The table below shows a total of 292 fruits sold by Mr Tan on a Sunday.

Fruits	Number sold
Apples	56
Oranges	?
Mangoes	64
Watermelons	?

Given that thrice as many oranges as watermelons were sold, how many watermelons were sold?

(1) 43

(2) 54

(3) 129

(4) 172

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 fifteen thousand and thirteen in numerals.

Ans: _____

---

16 Express 8.04 as a mixed number in the simplest form.

Ans: _____

---

17 Two factors of 6 are 1 and 6. What are the other two factors of 6?

Ans: _____ and _____

---

18 What is the sum of 12 tenths and 7 hundredths?

Ans: _____

---

19 The figure below shows a line AB and a point X. Draw a line perpendicular to AB passing through point X.

X

A ——————————————— B

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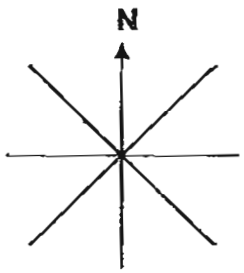
20 Linda was facing north-west. Which direction did she face after making a $\frac{1}{4}$ turn **anti-clockwise** ?



Ans: _____

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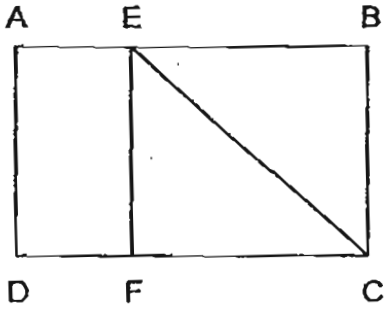
21 A box of chocolate costs $8, correct to the nearest dollar. What is the **lowest** possible price of the box of chocolate?

Ans: $ _____

6

22 AEFD and EBCF are rectangles. Name one line that is parallel to EF.



Ans: _____

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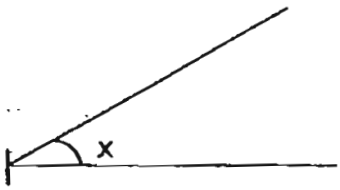
23 Measure and write down the size of ∠x.



Ans: _____ °

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24 Nancy makes some fruit juice using 8 oranges and 2 apples. What fraction of the juice is made of apples? Give your answer in the simplest form.

Ans: _____

6

25 Pens are sold at 5 for $3. What is the most number of pens you can buy with $50?

Ans: _____

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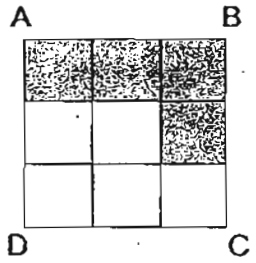
26 In the figure below, square ABCD is made up of 9 unit squares. What fraction of square ABCD is **unshaded**?



Ans: _____

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27 A 2-digit number lies between 68 and 82. It can be divided by 4 and 6 without remainder. What is the number?

Ans: _____

---

28 Mark ran 3.1 km on Monday. On Tuesday, he ran 0.5 km more than the distance he ran on Monday. What was the total distance he ran on these two days?

Ans: _____ km

---

29 A pattern is formed by using four letters E, F, G and H. The first 12 letters are shown below. Which letter is in the **20th** position?

E F G H H E E F G H H E.....?

1st 12th 20th

Ans: _____

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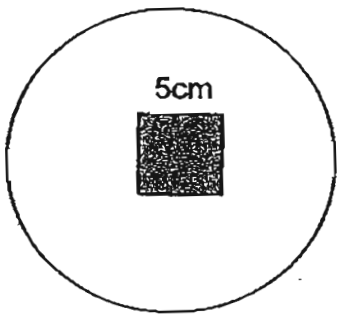
30 The diagram below shows a square within a circle. The length of each side of the square is 5 cm and the circle has an area of 150 cm². Find the area of the **unshaded** part.



Ans: _____ cm²

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31 Kelly exchanges a ten-dollar note for 20¢ coins. How many coins would she get?

Ans: _____

6

32 Arrange the following in descending order.

$\frac{35}{100}$, 0.63, 0.097, $\frac{1}{2}$

Ans: _____, _____, _____, _____.

---

33 6 teams took part in a table tennis competition. Each team played one match against each of the other teams. How many matches were played altogether?

Ans: _____

---

34 Ali is 12 years old and his sister is 4 years younger than he is. What is their total age in 7 years' time?

Ans: _____ years old

6

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 A dress and 2 pairs of shorts cost \$85.50. If each pair of shorts is \$6 cheaper than the dress, find the cost of the dress.

Ans: _____ [3]

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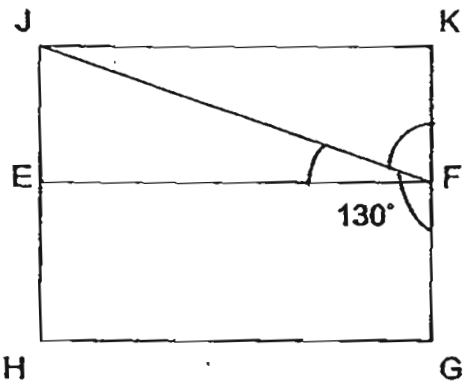
36 The figure below is made up of rectangles EFGH and EFKJ. $\angle JFG = 130°$.

Find the value of

(a) $\angle JFE$

(b) $\angle KFJ$



Ans: (a) _____ [2]

(b) _____ [1]

6

37 Vincent spent $\frac{1}{4}$ of his money to buy a box of biscuits and $\frac{1}{8}$ of his money on some sweets. He was left with $30. How much money did he have at first?

Ans: _____ [3]

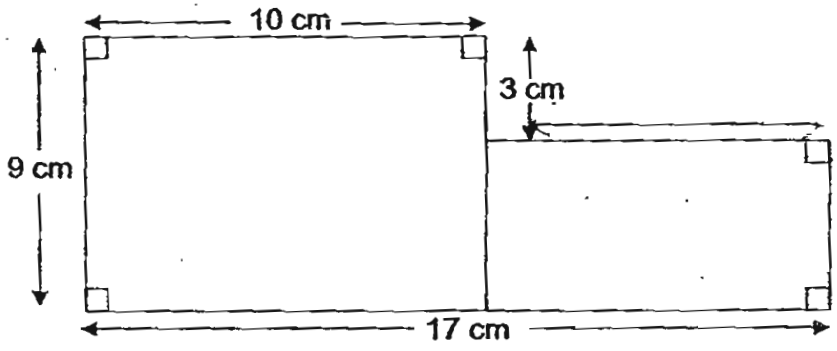
---

38 Peter baked 400 cup cakes. He gave $\frac{2}{5}$ of them to his relatives and packed the rest into boxes of 8. How many boxes of cup cakes did he pack?

Ans: _____ [3]

6

39 Find the area of the following figure.



Ans: _____ [4]

4

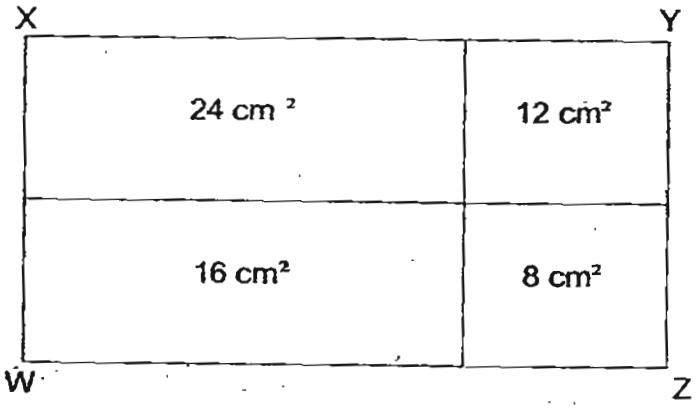
40 The total mass of 3 cartons is 178 kg. Carton A is 3 kg heavier than carton B. Carton B is twice as heavy as carton C. Find the mass of carton C.

Include a clearly labelled model as part of your method.

Ans : _____ [4]

4

41 The figure below is made up of 4 rectangles. Find the perimeter of the rectangle WXYZ.



Ans: _____ [4]

42 A bag of coffee beans and a packet of sugar have a mass of 3.25 kg. If 3 similar bags of coffee beans and 2 similar packets of sugar is 9 kg, what is the mass of 5 such bags of coffee beans?

Ans: _____ [4]

4

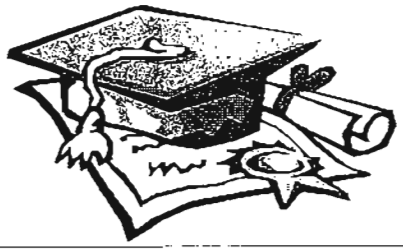
43 Wendy and Yen Ling had some ribbon. Wendy's ribbon was 8.68 m long at first. After she cut off 1.24 m and gave this to Yen Ling, Wendy had 4 times the total length of ribbon that Yen Ling had. What was the original length of ribbon Yen Ling had?

Ans: _____ [4]

4

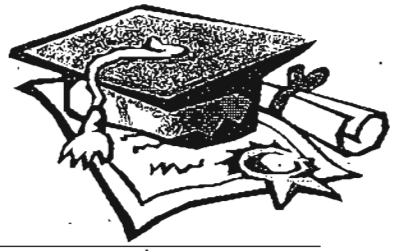
End-of-paper

Please check your work carefully.



ANSWER SHEET

EXAM PAPER 2011

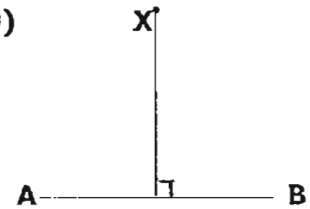


SCHOOL : AITONG
SUBJECT : PRIMARY 4 MATHEMAEICS

TERM : CA2

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

15)15013 **16)$8_{1/25}$** **17)2 and 3** **18)1.27** **19)**



20)South-West **21)$7.50** **22)AD** **23)30°**

24)1/5 **25)80 pens** **26)5/9** **27)72**

28)6.7km **29)F** **30)125cm^2** **31)50 coins**

32)0.63, ½ , 35/100, 0.097 **33)15 matches** **34)34 years old**

35)$85.50 − $6 = $79.50
1 unit + 2 units = 3 units
$79.50 ÷ 3 units = $26.50
$26.50 + $6 = $32.50

36)a)130° − 90° = 40°
b)90° − 40° = 50°

37)¼ = 2/8
2/8 + 1/8 = 3/8
8/8 − 3/8 = 5/8
5/8→$30
1/8→$30÷5 = $6
8/8→8 x $6 = $48

38)400÷5 = 80
80 x 2 = 160
400 − 160 = 240
240÷8 = 30 boxes

39)Area of figure A = 10cm x 9cm = 90cm2
Area of figure B = 7cm x 6cm = 42cm2
Area of figure = 42cm2 + 90cm2 = 132cm2

40)178kg – 3kg = 175kg
2 units + 2 units + 1 unit = 5 units
175kg÷5 units = 35kg

41)34cm

42)9kg – 3.25kg = 5.75kg
5.75kg – 3.25kg = 2.50kg
1 packet of coffee beans→2.50kg
5 packets of coffee beans→5 x 2.50kg = 12.5kg

43)8.68m – 1.24m = 7.44m
7.44m÷4 = 1.86m
1.86m – 1.24m = 62cm