Tao Nan School
Primary 4 Mathematics Mid-Year Examination 2011

Name: _____ ( ) Date: 13 May 2011

Class: Primary 4 ( )

Parent's Signature: _____

Paper 1	Booklet A	20
	Booklet B	40
Paper 2		40
Total		**100**

Paper 1

Time: 8.00 a.m. – 9.15 a.m.

- Paper 1 comprises Booklet A and Booklet B.
- Total time (Booklets A and B): 1h 15 min
- Answer all questions

Tao Nan School
Primary 4 Mathematics Mid-Year Examination 2011

Paper 1 Booklet A

Multiple Choice Questions

Questions 1 to 10 carry 2 marks each.

For each question, four options are given. One of them is the correct answer.

Shade the correct oval (1 , 2 , 3 or 4) on the Optical Answer Sheet.

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1. What is the value of 9 in 82 192?

   (1) 9

   (2) 90

   (3) 900

   (4) 9000

2. 43 645 is _____ when rounded off to the nearest hundred.

   (1) 43 600

   (2) 43 640

   (3) 43 650

   (4) 44 000

3. Multiply 68 by 21. From the product, what is the value of the digit in the hundreds place?

   (1) 100

   (2) 200

   (3) 300

   (4) 400

4. $3\frac{4}{7} = \frac{\square}{7} + \frac{9}{7}$

The missing number is _____.

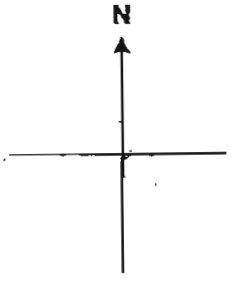
(1) 12

(2) 16

(3) 21

(4) 25

5. May is facing west. If she turns 225° clockwise, which direction would she face?



(1) North-East

(2) North-West

(3) South-East

(4) South-West

6. 32 is a common multiple of _____.

(1) 1 and 3

(2) 2 and 5

(3) 3 and 4

(4) 4 and 8

7. The common factors of 9 and 18 are _____, _____ and _____.

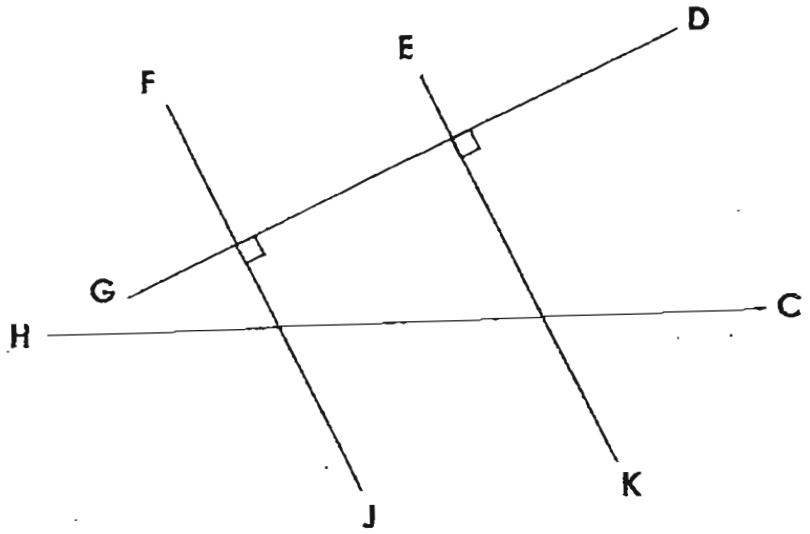
(1) 2, 3 and 9

(2) 2, 6 and 9

(3) 1, 2 and 3

(4) 1, 3 and 9

Look at the diagram below to answer **questions 8 and 9,**



8. Which pair of lines is parallel?
   (1) CH and DG
   (2) EK and FJ
   (3) EK and DG
   (4) CH and FJ

9. Which pair of lines is perpendicular?
   (1) CH and DG
   (2) EK and FJ
   (3) EK and DG
   (4) CH and FJ

10. Sally had 90 cupcakes. She sold $\frac{5}{6}$ of the cupcakes. How many cupcakes were left?
   (1) 15
   (2) 18
   (3) 45
   (4) 75

Name: _____

Class: Primary 4 _____

Parent's Signature: _____

40

Paper 1 Booklet B

Write your answers in the boxes provided. For questions which require units, give your answers in the units stated. Questions 11 to 30 carry 2 marks each.

11. Write 28 745 in words.

_____

_____

12. Arrange the number below in order, beginning with the smallest.

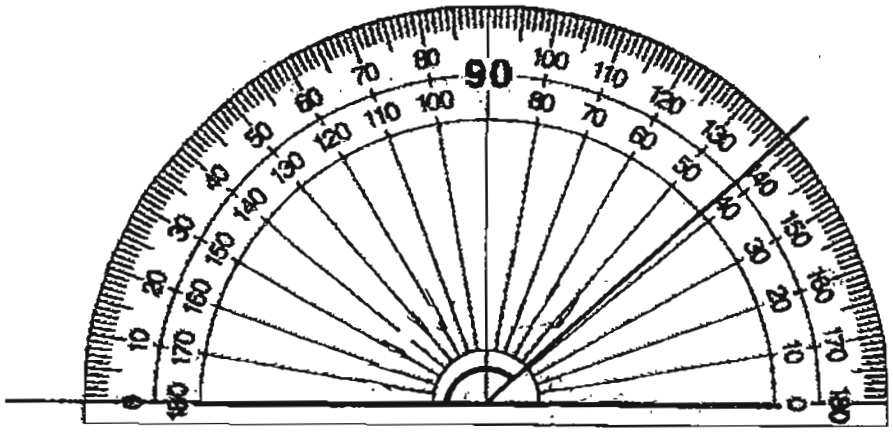
4156	5141	4165	5114

	,	,	,

(greatest)

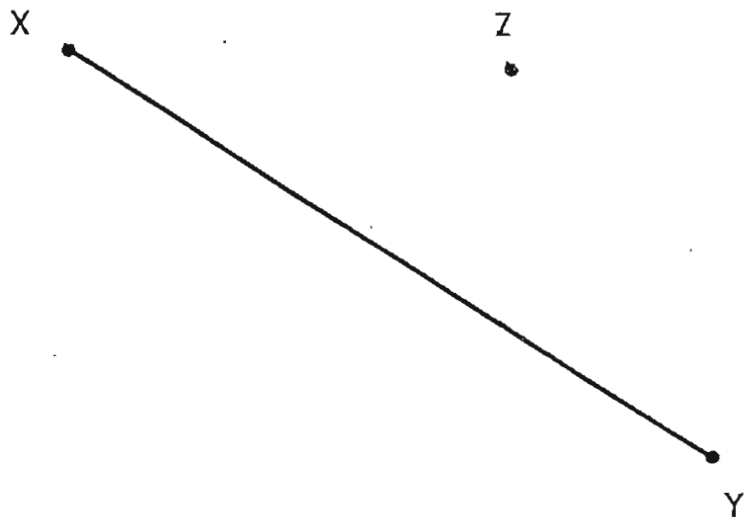
13. 1747 X 4 = 2 x _____

14. What is the size of the angle shown below?



°

15. Draw a line parallel to XY. The line must pass through Z.



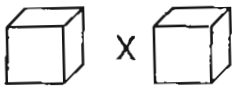
16. What is the quotient when 7369 is divided by 3 ?

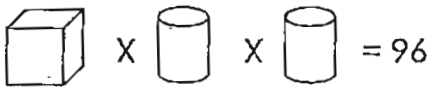
17. Mary had 12 doughnuts. Her sister ate 2 doughnuts. What fraction of the doughnuts was left? Express your answer in its simplest form.

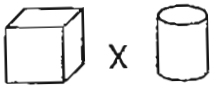
18. Lisa spent $\frac{3}{4}$ of her money on a camera. The camera costs $294. How much money did she have at first?

$

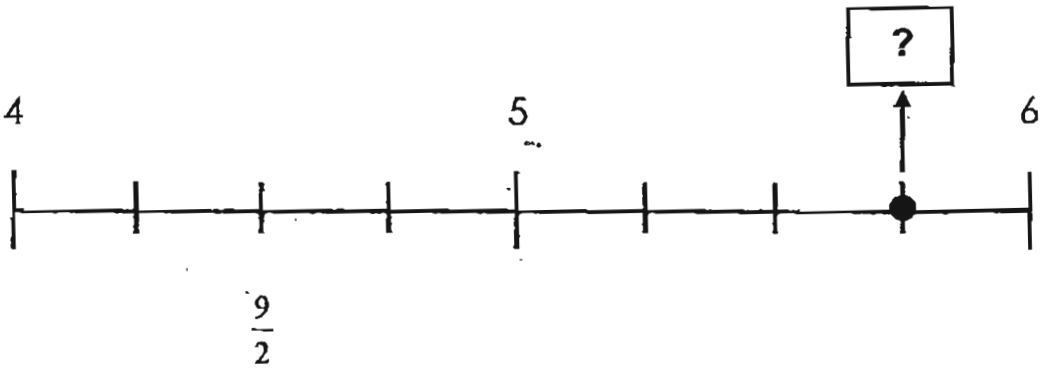
19. Divide 1112 by 8. Round off the answer to the nearest hundred.
The answer is _____ .

20.  = 36

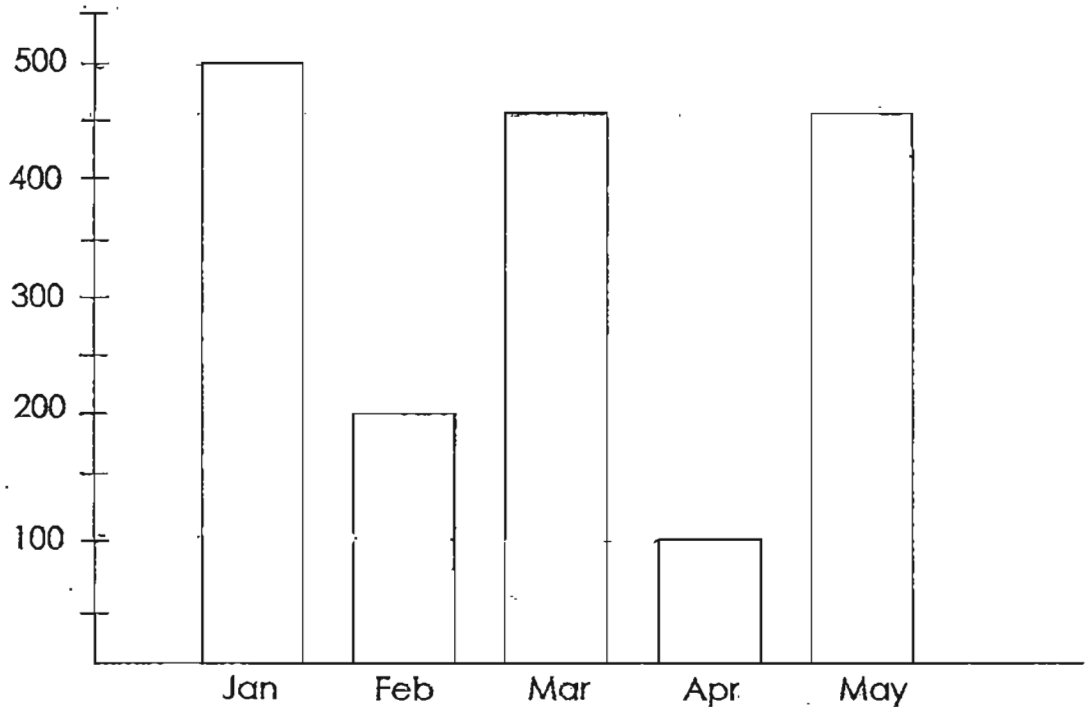


Find the value of 

21. What is the missing fraction?
Express your answer as a **mixed number** in its simplest form.



The bar graph below shows the number of computers sold over a period of 5 months. Study the graph carefully and answer questions 22 and 23.



22. What is the total number of computers sold in all the months?

23. How many more computers were sold in March than the total sales in February and April?

24. Convert $3\frac{4}{5}$ to an improper fraction.

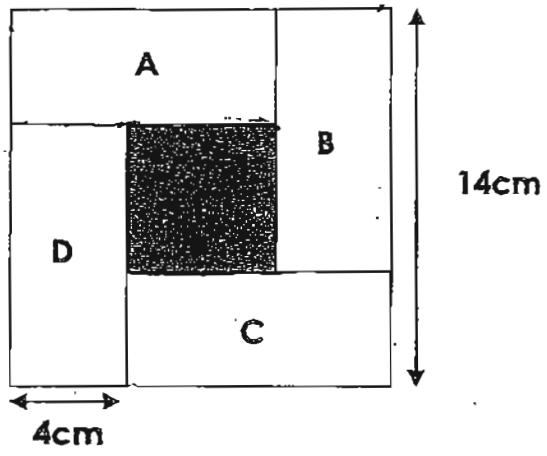
25. What is $\frac{7}{10}$ of 6000?

26. The mass of a stack of books, when rounded off to the nearest hundred, is 9 900 g. What is the **smallest possible mass** of the stack of books?

g

27. The time on a clock is 6.45 a.m. What time would it be if the minute hand turned 180° clockwise? Give your answer in the 24-hour clock.

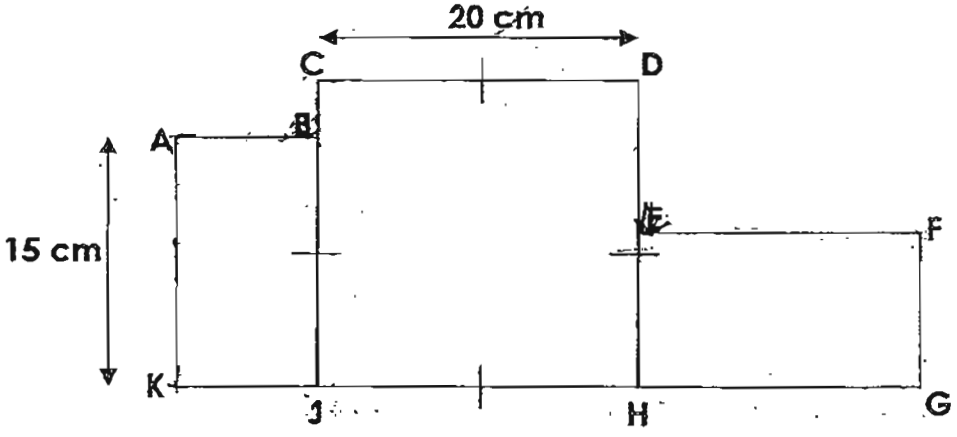
28. A, B, C and D are identical rectangles. What is the perimeter of the shaded part?



cm

Use the figure below to answer questions 29 and 30.

In the figure below, CDHJ is a square and ABJK and EFGH are identical rectangles. DE = EH.



29. What is the area of Rectangle ABJK?

cm^2

30. What is the perimeter of the figure?

cm

End of Paper 1

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Paper 2

Name: _____ Date: 13 May 2011

Class: Primary 4 ( ) Time: 10.30 a.m. – 11.45 a.m.

Parent's Signature: _____ Marks: 40

Questions **1** to **10** carry 4 marks each. Show your working clearly in the space provided for each question and 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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1. Mr Ng had $8 210. He spent $4 120 on a sofa and gave the rest of the money equally to his 5 children. How much money did each of his children receive?

Ans: _____

2. Siti collected a total of 5525 bottle caps in May and June.
She collected 4 times as many bottle caps in June than in May.
How many more bottle caps did Siti collect in June than in May?

Ans: _____

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3. Mr Lee bought 9 boxes of apples. Each box contained 24 apples.
If Mr Lee gave away $\frac{3}{8}$ of the apples, how many apples were left?

Ans: _____

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4. Mrs Tan is 32 years older than her son. How old will Mrs Tan be when she is 5 times as old as her son?

Ans: _____

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5. Sumei bought 8 similar mugs and 2 similar plates. A plate costs as much as 2 mugs. If Sumei spent $48, find the total cost of one plate and one mug.

Ans: _____

6. Ali has fewer than 100 marbles. When he divides the marbles equally into groups of 8 or 9, there will be a remainder of 2 marbles. How many marbles does Ali have?

Ans: _____

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7. There were 600 people at a Science fair. $\frac{2}{5}$ of them were adults and the rest were children. If half of the children were girls, how many girls were there?

Ans: _____

8. The sum of three numbers is 105. The first number is twice as much as the second number. The second number is twice as much as the third number. What is the biggest number?

Ans: _____

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9. Rani had a piece of square cardboard with a perimeter of 32 cm. She then pasted a piece of square paper in the centre of the cardboard, leaving a border of 2 cm around it. What is the area of the cardboard that is **not** covered by the paper?

Ans: _____

10. There is a total of 150 ducks and cows in a farm. If there are 314 legs altogether, how many ducks and how many cows are there?

Ans : Ducks – _____

Cows - _____

End of Paper 2

ANSWER SHEET

EXAM PAPER 2011

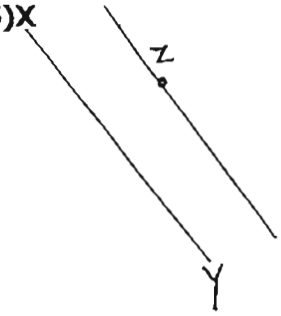
SCHOOL : TAO NAN
SUBJECT : PRIMARY 4 MATHEAMATICS

TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	1	4	2	3	4	4	2	3	1

11)Twenty-eight thousand, seven hundred and forty-five

12)4156, 4165, 5114, 5141 **13)3494** **14)138°** **15)X**



16)2456 **17)5/6** **18)$392** **19)100** **20)24**

21)5¾ **22)1700** **23)150** **24)19/5** **25)4200**

26)9850g **27)7.15a.m.** **28)24cm** **29)15cm**

30)130cm

Paper 2

1)$8210 – $4120 = $4090
$4090 ÷ 5 = $818
Each of his children received $818

2)5525 ÷ 5 = 1105
1105 x 3 = 3315
Siti collected 3315 more bottle caps in June than in May.

3)24 x 9 = 216
8 units = 216
1 unit = 216 ÷ 8 = 27
5 units = 25 x 5 = 135
135 apples were left.

4)32 ÷ 4 = 8
8 x 5 = 40
Mrs Tan will be 40 years old.

5)48÷12 = 4
4 x 2 = 8
8 + 4 = 12
The total cost one plate and one mug is $12

6)Mutiples of 8 :8,16,24,32,40,48,56,64,72,
Add 2 :10,18,26,34,42,50,58,66,74,
Mutiples of 9 :9,18,27,36,45,54,63,72,81,
Add 2 :11,20,29,38,47,56,65,74,83,
Ali has 74 marbles.

7)600÷5 = 120
120 x 3 = 360
360 ÷2 = 180
There were 180 girls at the Science fair.

8)105÷7 = 15
15 x 4 = 60
The biggest number is 60.

9)32÷4 = 8
8 − 2 − 2 = 4
4 x 4 = 16
8 x 8 = 64
64 − 16 = 48
The area of the cardboard that is not covered by the paper is 48cm2.

10)150 x 2 = 300
314 − 300 = 14 (cows)
4 − 2 = 2
14÷ 2 = 7 (cows)
150 − 7 = 143 (ducks)
There were 7 cows and 143 ducks.