PRIMARY 4 END-OF-YEAR EXAMINATION 2011

Name : _____

Class : Primary 4 _____

Parent's Signature : _____

Date: 28 October 2011

Time: 8.00 a.m. - 9.15 a.m.

Marks: **100**

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET A)

Time for Paper 1 is **1 hour 15 minutes.**

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.

Booklet A	20
Booklet B	40
Total for Paper 1	60

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. Which of the following numbers when rounded off to the nearest ten becomes 83 500?

    (1) 83 445

    (2) 83 498

    (3) 83 509

    (4) 83 558

2. How many quarters are there in 3 wholes?

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

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

    (3) 8

    (4) 12

3. Which of the following is **not** an equivalent fraction of $\frac{1}{3}$?

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

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

    (3) $\frac{5}{12}$

    (4) $\frac{6}{18}$

4. Arrange the following from the smallest to the greatest.
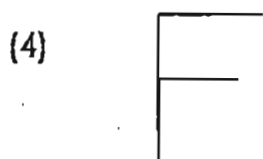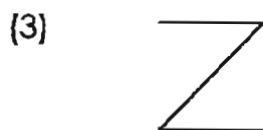
$$5.2 \ , \quad 0.52 \ , \quad 5.02 \ , \quad 0.25$$
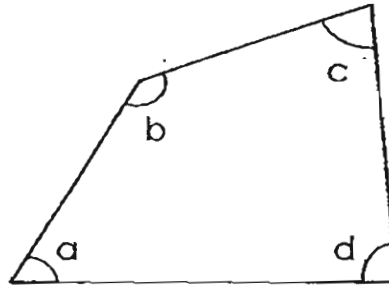
(1). 0.25, 5.2 , 5.02, 0.52

(2) 0.25, 0.52, 5.02, 5.2

(3) 0.52, 0.25., 5.02, 5.2

(4) 0.52, 0.25, 5.2 , 5.02

5. Which of the following figures contain both parallel lines and perpendicular lines?

(1) M

(2) T

(3) Z

(4) F

6. In the figure, which angle is greater than a right angle?

(1) $\angle a$
(2) $\angle b$
(3) $\angle c$
(4) $\angle d$

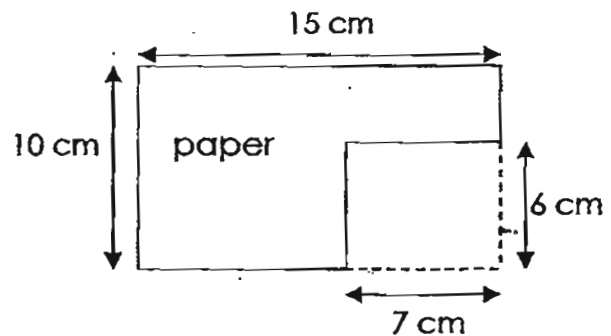7. The digit 5 in 27.345 stands for 5 _____.

(1) ones

(2) tenths

(3) hundredths

(4) thousandths

8. Alex has a piece of paper of length 15 cm and breadth 10 cm.
He cuts away a small rectangle at one of its corners.
What is the area of the remaining paper?

(1) 38 cm²

(2) 42 cm²

(3) 108 cm²

(4) 150 cm²

9. The total length of three pieces of ribbon is 9 m 50 cm.

One piece is 2 m 70 cm long while the other two pieces have exactly the same length. What is the length of each of these two pieces of ribbon?

    (1)   1 m 35 cm
    (2)   3 m 40 cm
    (3)   4 m 75 cm
    (4)   6 m 80 cm

10. Sarah has eighteen coins that add up to $6.00. There are 50-cent coins and 20-cent coins. How many 20-cent coins does she have?

    (1)   10
    (2)   8
    (3)   6
    (4)   4

Name:_____

Class: Primary 2 _____

MATHEMATICS ~ PAPER I (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 fifteen thousand and eighty-four in figures.

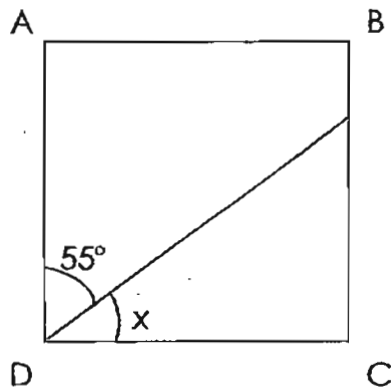12. Fill in the box with the correct number in the number pattern below.

   649 , 624 , 599 , _____ , 549

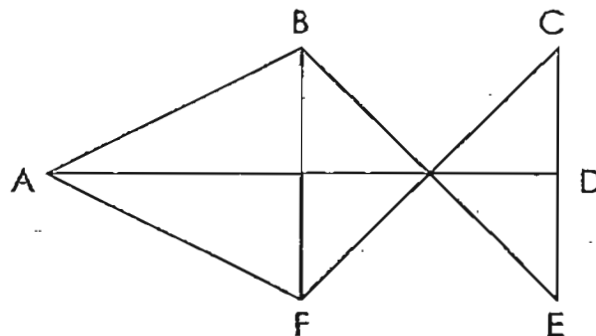13. Which two of the fractions below are smaller than $\frac{1}{2}$?

   $\frac{2}{3}$, $\frac{3}{7}$, $\frac{4}{8}$, $\frac{5}{11}$

   [_____ and _____]

14. Write $\frac{18}{8}$ as a mixed number in its simplest form.
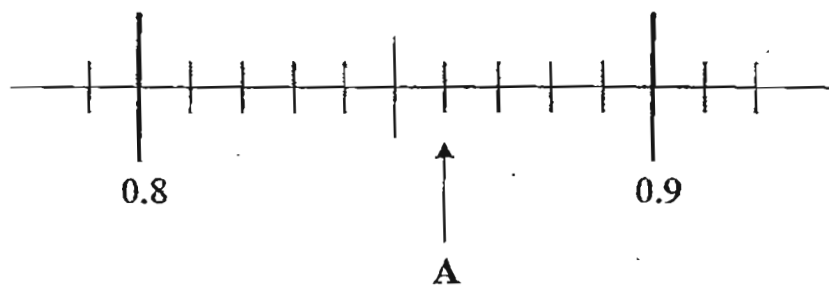
15. ABCD is a square. Find $\angle x$.

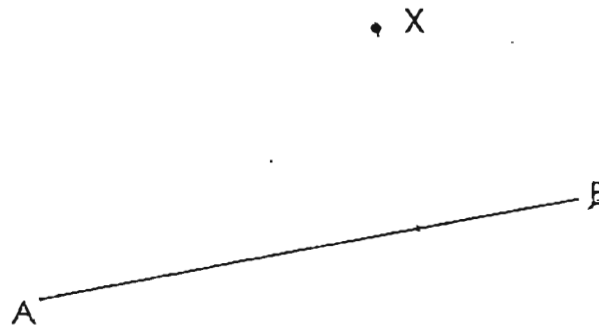16. One of the lines in the figure is parallel to CE. Which line is parallel to CE?

17. Round off 14.55 to the nearest whole number.
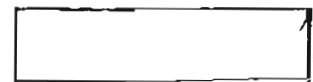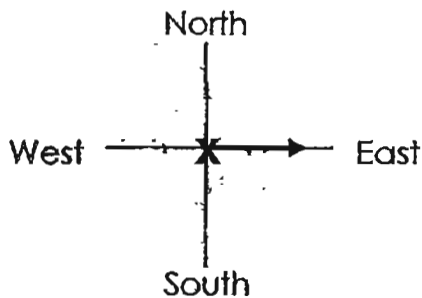
[ ]

18. Write the decimal represented by A.

0.8   0.9

A

[ ]

19. Find the value of 8.32 x 9.

[ ]

20. Draw a line perpendicular to AB through Point X.

. X

A —————————————— B

21. Sarah is standing at Point X and facing East. She makes a $\frac{3}{4}$- turn in a clockwise direction. Then she makes a $\frac{1}{2}$- turn in an anticlockwise direction. Which direction will she be facing now?

North

West ——— X ——→ East

South

22. I think of two numbers. The numbers are between 20 and 43. The numbers are both multiples of 6 and factors of 72. What are the two numbers?

and

23. The figure is made up of identical triangles. How many such triangles are there?
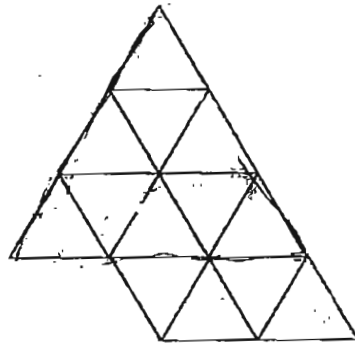
24. The figure below shows a regular hexagon where all the sides are of equal length. The length of AB is $\frac{3}{5}$ the height of the figure of the hexagon. Find the length of AB.

height = 15 cm
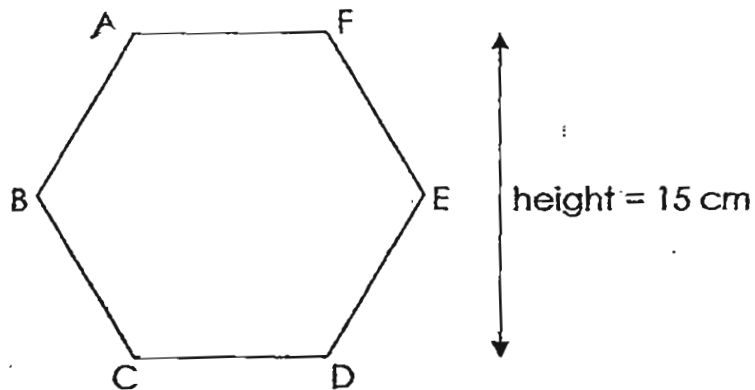
cm

25. Study the figures below.

How many squares are there in Figure 5?
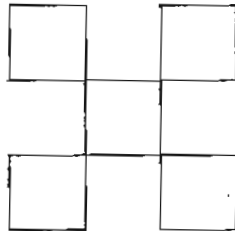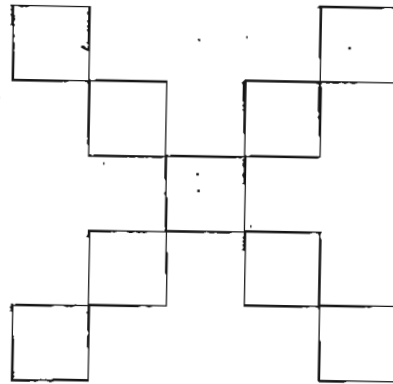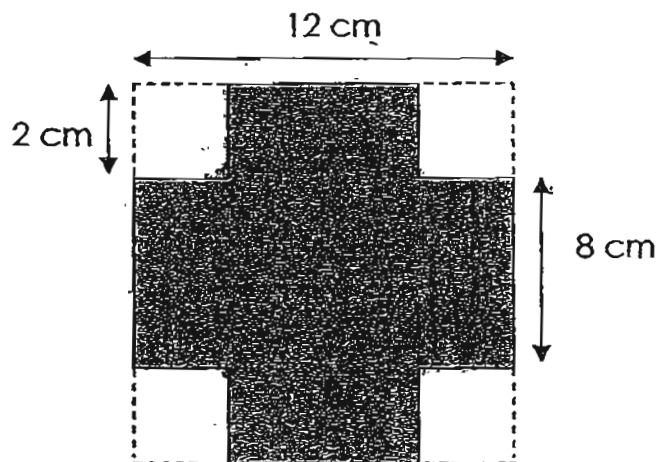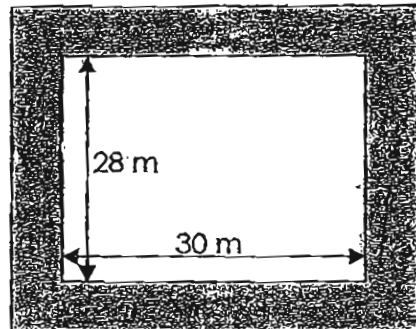
Figure 1

Figure 2

Figure 3

26. Daniel has a square piece of paper measuring 12 cm. He cuts out 4 identical small squares with a side measuring 2 cm from each corner of the square. Find the perimeter of the remaining piece of paper.
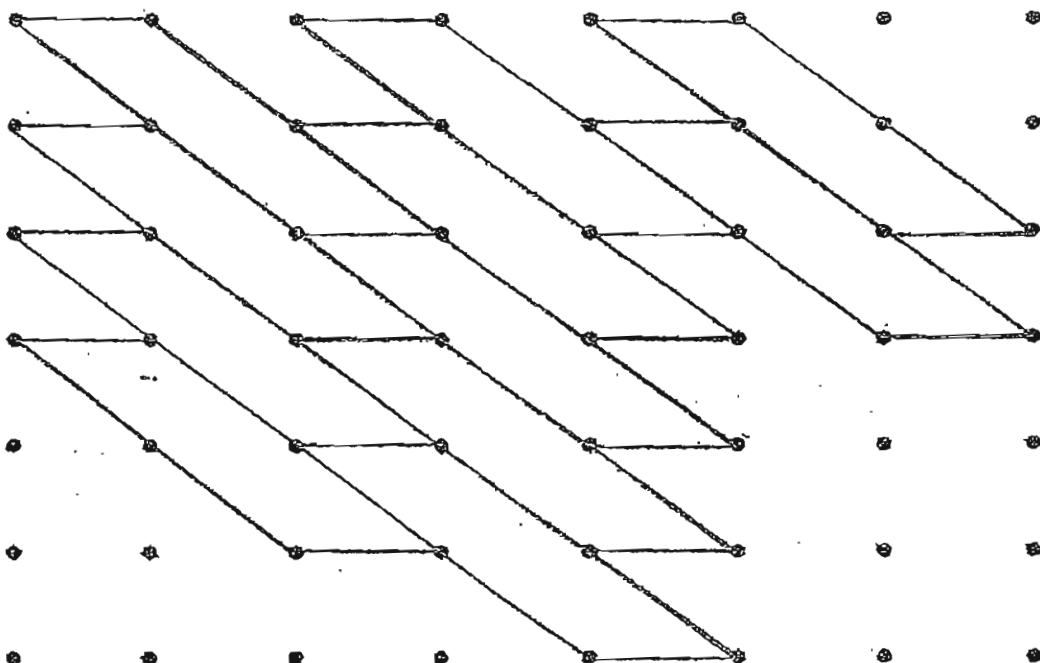

cm

27. A rectangular garden measures 30 m by 28 m. A concrete path 1 m wide is paved around it. What is the area of the concrete path?

28 m

30 m

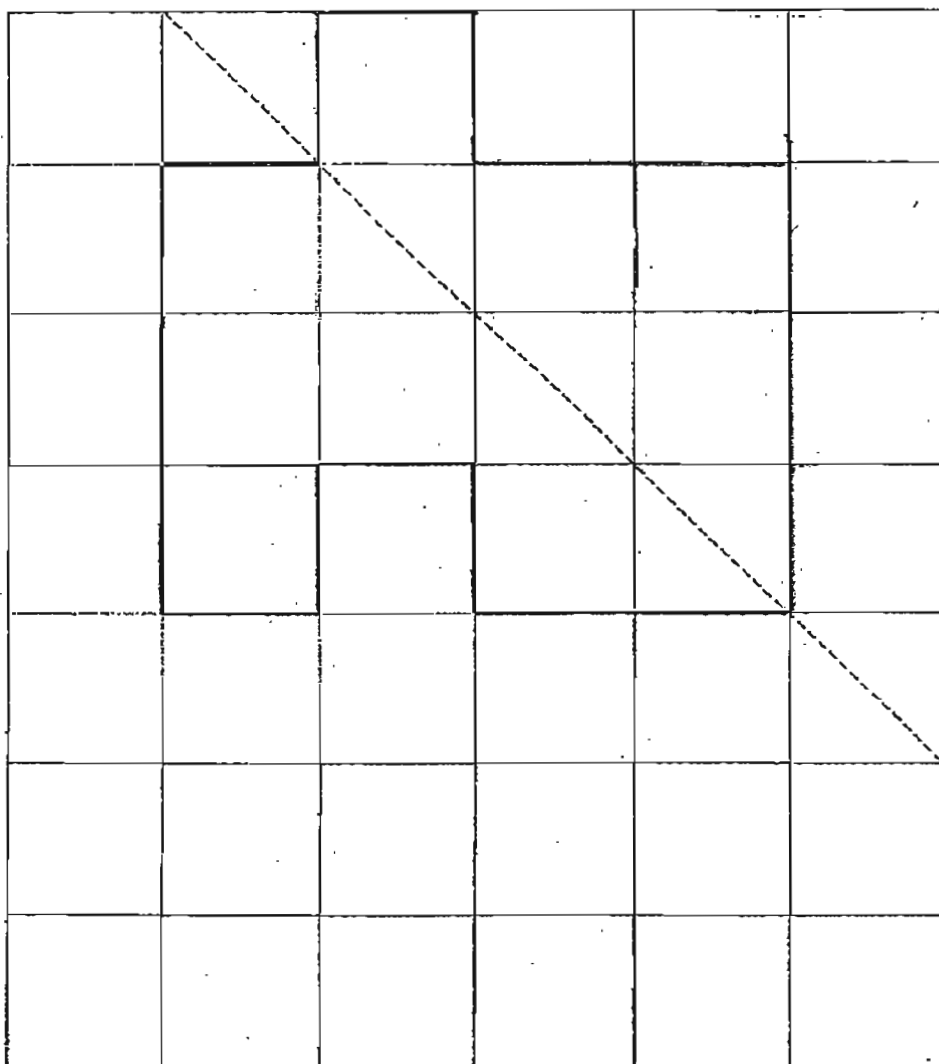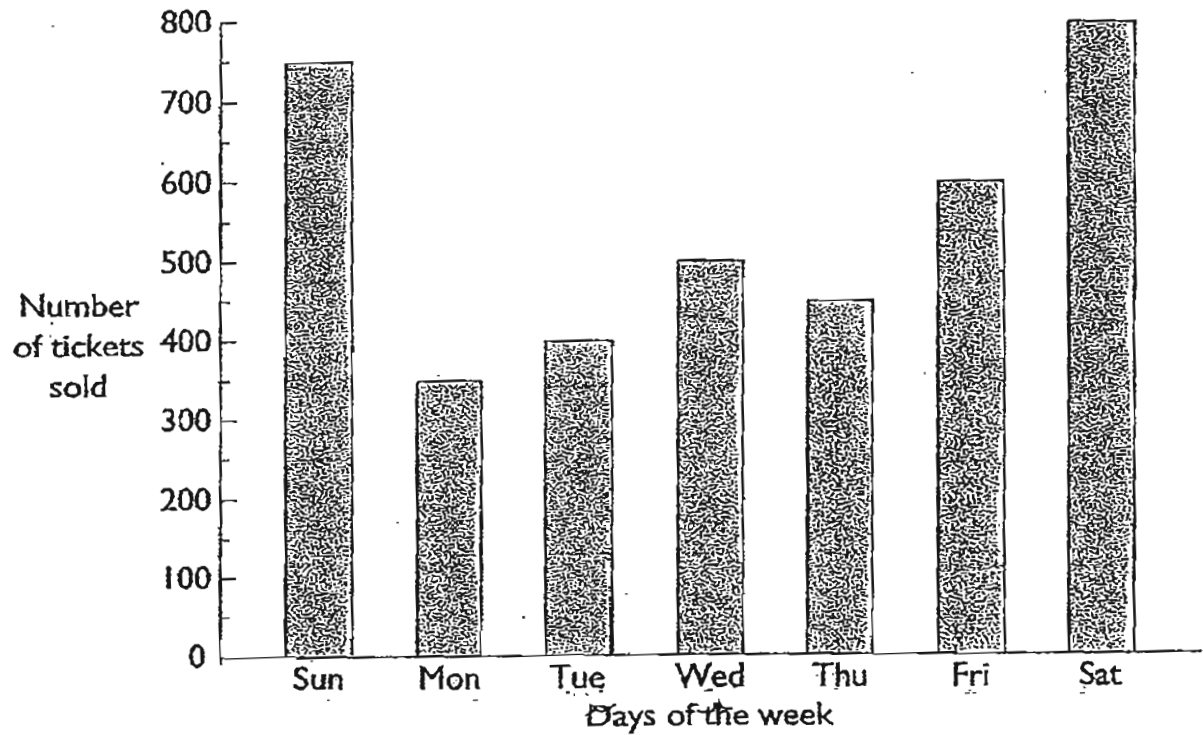|	m²

28. Draw four more unit shapes to complete the tessellation.

29. The figure below is half of a symmetric shape. Complete the symmetric shape with the dotted line as a line of symmetry.

30. The bar graph below shows the number of tickets sold at a circus in a week.

How many more tickets were sold on Saturday than on Monday?

End of Paper 1

MATHEMATICS

PAPER 2

Marks: _____ / **40**

Time for Paper 2 is **1 hour 15 minutes**.

Do not open this booklet until you are told to do so.

Read and follow all instructions carefully.

Answer all questions.

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. Benny gave away $\frac{3}{4}$ of his marbles to Richard. He gave half of the

   remaining marbles to Mark and had 6 marbles left for himself.

   How many marbles did Benny have at first?

Ans: _____

1

2. The distance from Town A to Town B is 40.5 km. The distance from Town B to Town C is 3.95 km shorter than the distance from Town A to Town B. Find the distance from Town A to Town C. (Round off your answer to the nearest km)

Town A   Town B   Town C
├──────────────┼───────────┤
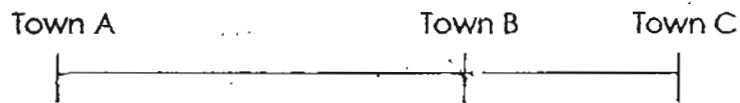
Ans: _____

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3. Kate had $40 at first. She spent $18 on food, $14 on a book and saved the rest of her money.
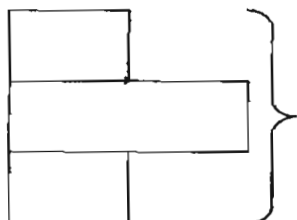   a)   How much money did she save?
   b)   What fraction of the amount of money did she save?

Ans: a) _____
     b) _____

2

4. Nicky scored a total of 96 marks for three of her Mathematics tests. She obtained the same score for Test 1 and Test 3. Her score for Test 2 was twice that of Test 1. What was her total score for Test 2 and Test 3?
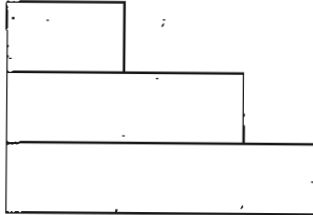
Ans: _____

5. Mother paid $25.80 for 4 mangoes and 2 pineapples. Each pineapple was cheaper than each mango by $1.50. Find the cost of 2 such mangoes.

Ans: _____

3

6. A scarf costs twice as much as a wallet. A handbag costs $80 more than a scarf. The total cost of a scarf, a wallet and a handbag is $2530.

a) What is the cost of a wallet?

b) What is the total cost of a scarf and a handbag?

Ans: a) _____

b) _____

4

7. A box contained 3 times as many blue marbles as red marbles. After 60 blue marbles are given away, there were twice as many red marbles as blue marbles. How many marbles are there in the end?
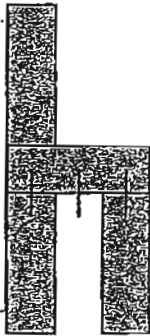
Ans: _____

8. The figure below is made up of a rectangle and 2 identical squares. If the perimeter of the figure is 64 cm, find the area of the rectangle.
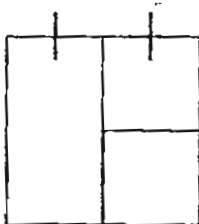
Ans: _____

9. The figure below shows the side-view of a wooden chair. It is made up of 4 identical rectangles. If the area of the figure is 108 cm², what is the height of the wooden chair?

Ans: _____

10. Sumin participated in a Mathematics quiz with 20 questions. For every correct answer, she was awarded 3 points. For every wrong answer, 2 points were deducted. If Sumin scored 25 points for the quiz, how many questions did Sumin answer correctly?

Ans: _____

End of Paper 2

EXAM PAPER 2011

SCHOOL :   TAO NAN
SUBJECT :   PRIMARY 4 MATHEAMATICS

TERM   :   SA2

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

11)15084   12)574   13)5/4 and 3/7   14)2¼   15)35°

16)BF   17)15   18)0.86   19)74.88   20)

21)South   22)24 and 36   23)13   24)9cm
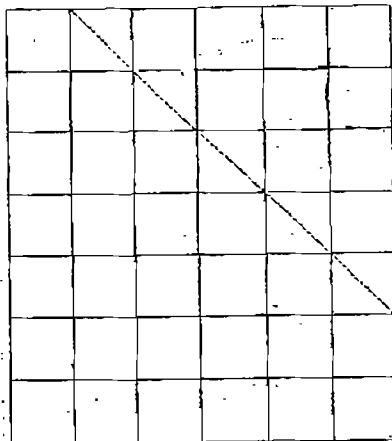
25)17   26)48cm   27)120cm2

28)

29)
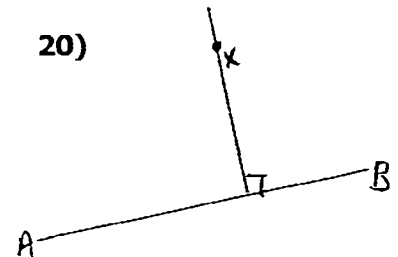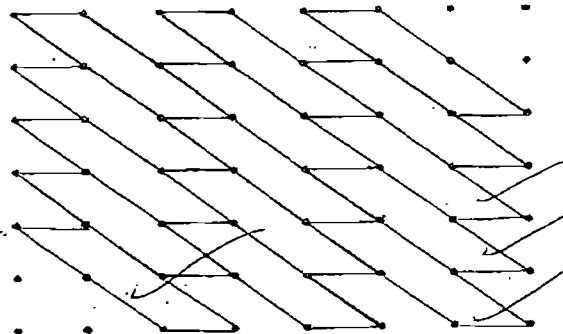
30)450

Paper 2
1)6 x 2 = 12
   12 x 4 = 48
   Benny had 40 marbles at first.

2)40.5km − 3.95km = 36.55km
    40.5km + 36.55km = 77.05km
    77.05km ≈ 77km
    The distance form Town A to Town C is 77km.

3)a)$18 + $14 = $32
    $40 − $32 = $8
    Kate saved $8.
   b)8/40 ÷ 8 = 1/5
    She saved 1/5 of the money.

4)3 units→96
    1 unit→96÷4 = 24
    2 units→24 x 2 = 48
    48 + 24 = 72
    Her total score for Test 2 and Test 3 is 72.

5)$1.50 x 4 = $6
    $25.80 − $6 = $19.80
    $1980÷6 = $3.30
    $3.30 + $1.50 = $4.80
    $4.80 + $4.80 = $9.60
    The cost of 2 mangoes are $9.60.

6)a)$2530 − $80 = $2450
    $2450÷5 = $490
    The cost of a wallet is $490
   b)$490 x 4 = $1960
    $1960 + $80 = $2040
    The total cost of a scarf and a handbag cost $2040.

7)60→5u
    60÷5 = 12
    12 x 3 = 36
    There were 36 marbles in the end.

8)64÷4 = 16
    16÷2 = 8
    Area of rectangle = 16 x 8 = 128
    The area of the rectangle is 128cm2

9)108÷4 = 27
    9 + 9 = 18
    18 + 3 = 21
    The height of the wooden chair is 21cm.

10)Sumin answered 12 questions correctly.