PRIMARY 4 END-OF-YEAR EXAMINATION 2012

Name : _____ ( ) Date: 29 October 2012

Class : Primary 4 ( ) Time: 8.00 a.m. - 9.15 a.m.

Parent's Signature : _____ Marks: _____ / 100

MATHEMATICS

PAPER 1

(Booklet A and Booklet B)

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**

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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.

---

1. The value of the digit 9 in 23 691 is _____.

   (1) 9

   (2) 90

   (3) 900

   (4) 9000

2. 32 838 rounded off to the nearest ten is _____.

   (1) 32 800

   (2) 32 830

   (3) 32 840

   (4) 32 900

3. $5\frac{2}{7} = \frac{\square}{7}$

   What is the missing number in the box?

   (1) 10

   (2) 35

   (3) 37

   (4) 49

4. In the number 1983, the digit _____ is in the ones place.

   (1) 1

   (2) 8

   (3) 3

   (4) 9

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5. What is 622.34 when rounded off to 1 decimal place?

(1) 622.0

(2) 622.3

(3) 622.4

(4) 623.0

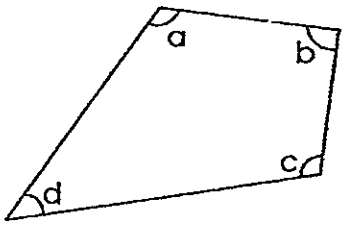
6. In the figure, which angle is smaller than a right angle?

(1) ∠a

(2) ∠b

(3) ∠c

(4) ∠d



7. Express $1\frac{3}{8} + 3\frac{3}{4}$ as an improper fraction.

(1) $\frac{41}{8}$

(2) $\frac{43}{8}$

(3) $\frac{45}{8}$

(4) $\frac{47}{8}$

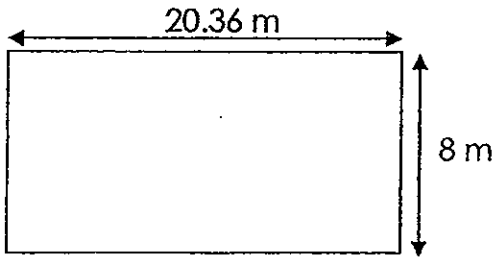
8. The figure has a length of 20.36 m and a breadth of 8 m. What is the area of the figure? Round off the answer to the nearest whole number.

(1) 160 m^2

(2) 162 m^2

(3) 163 m^2

(4) 164 m^2



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9. Annie weighs 36.4 kg. Mary weighs twice as much as Annie. What is Mary's weight?

(1) 18.2 kg
(2) 34.4 kg
(3) 54.6 kg
(4) 72.8 kg

10. May has a total of 12 twenty-cent stamps and fifty-cent stamps. The total value of the stamps is $3. How many fifty-cent stamps does May have?

(1) 5
(2) 2
(3) 6
(4) 10

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Tao Nan School
Primary 4 Mathematics End-of-Year Examination 2012

Name: _____ ( ) Class: Primary 4 ( )

Paper 1 (Booklet B)

Each question carries 2 marks. Write your answers in the boxes provided. For questions which require units, give your answers in the units stated.

11. Write twelve thousand and forty-two in figures.

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

13. Fill in the blank with the correct number in the number pattern below.

92 , 104 , 116 , 128 , _____ , 152

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

$\frac{5}{6}$, $\frac{5}{12}$, $\frac{11}{12}$

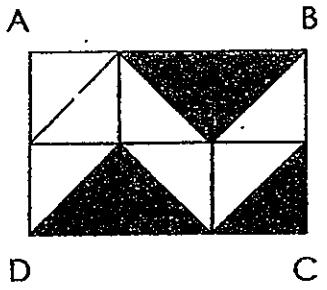
(smallest) , , (greatest)

97

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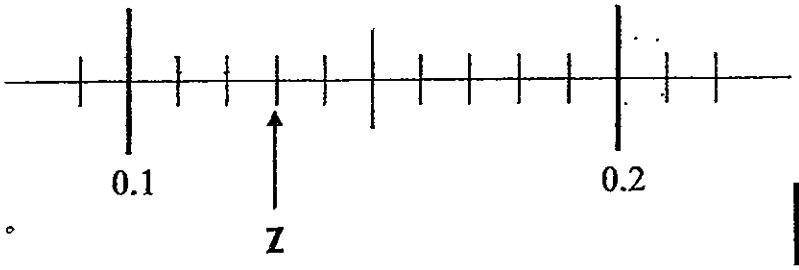
15. Find the value of 5.35 x 5.

16. In the figure below, rectangle ABCD is made up of 6 unit squares.
What fraction of the figure is shaded?

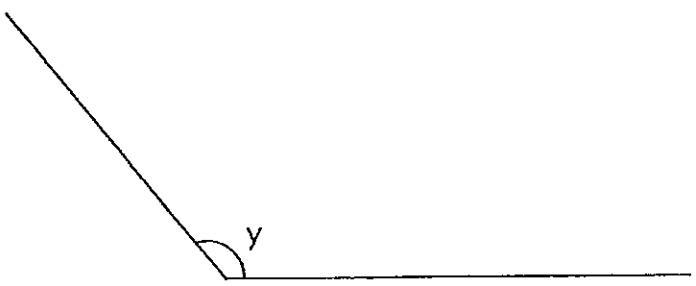


17. Write 8 hundredths in figures.

18. Write the decimal represented by Z.



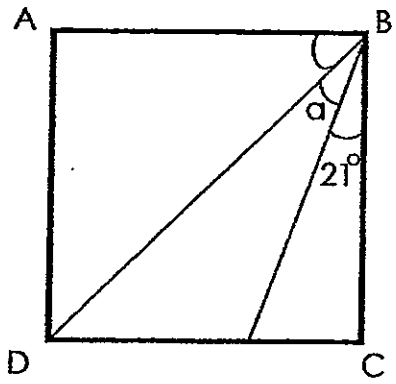
19. Measure and write down the size of ∠y.



°

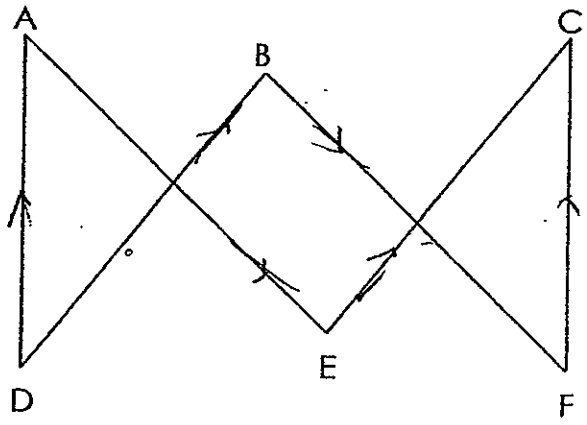
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20. The square, ABCD, below is not drawn to scale. Find $\angle a$.



°

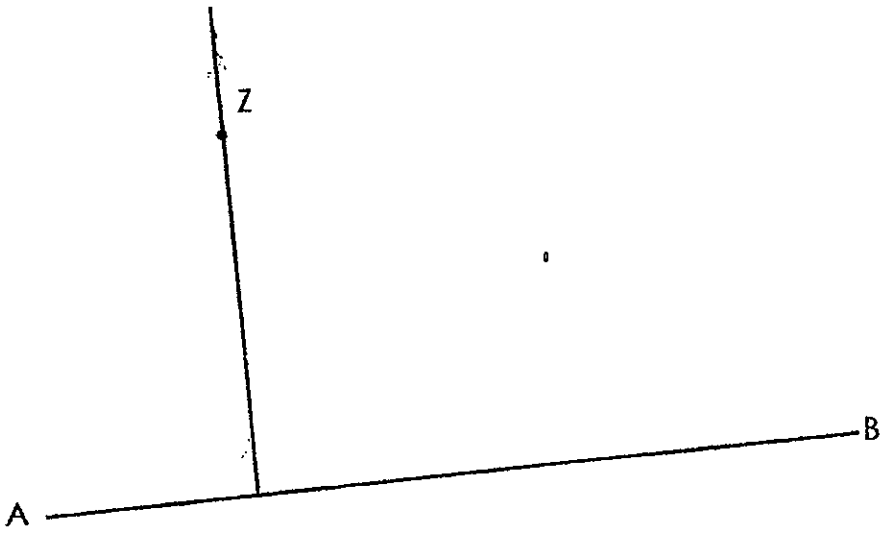
21. How many pairs of parallel lines are there in the figure below?



pairs

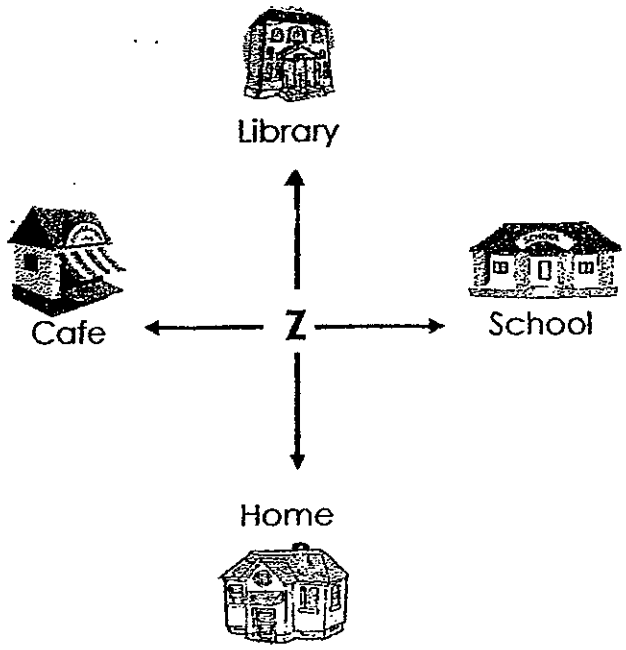
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22. Draw a line perpendicular to AB through Point Z.



23. Bala is standing at Point Z, facing the library. He makes a $\frac{1}{4}$ turn in an anti-clockwise direction and then a $\frac{3}{4}$ turn in a clockwise direction.

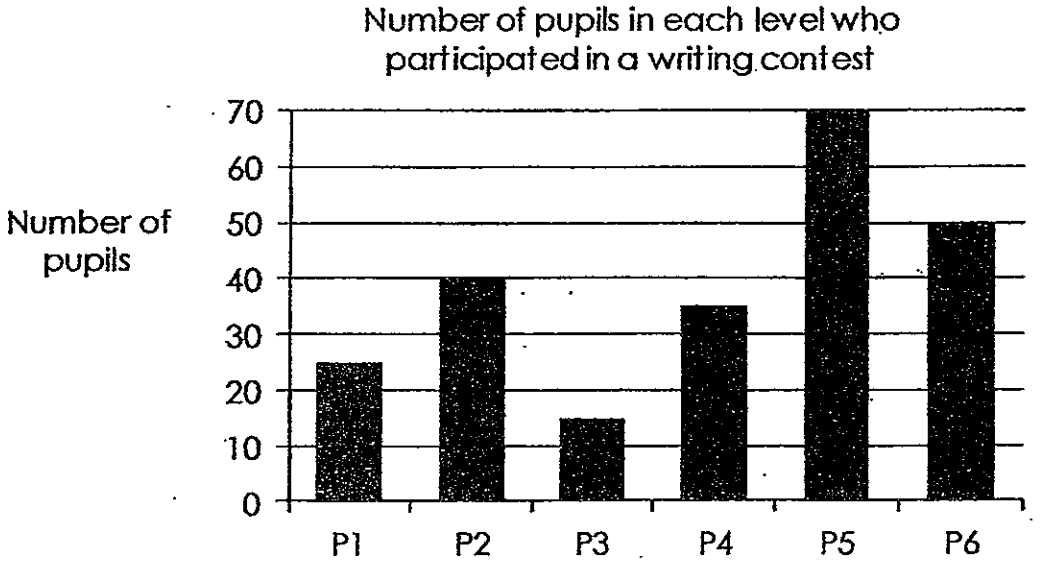
Which building is he facing now?



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Use the bar graph below to answer **questions 24 to 25.**

The graph below shows the number of pupils in each level who participated in a writing contest.

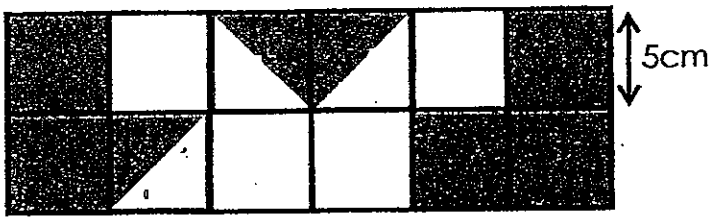


24. The total number of participants in P1 and P4 is two-thirds the total number of participants in P____ and P ____.

25. How many more P5 than P3 pupils participated in the writing contest?

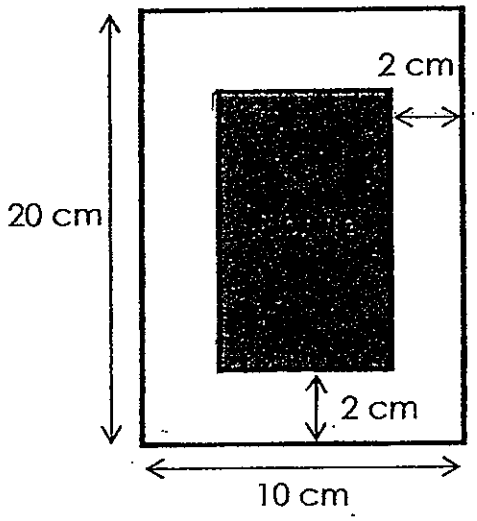
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26. The figure below is made up of 12 identical squares. Find the area of the unshaded part.



cm²

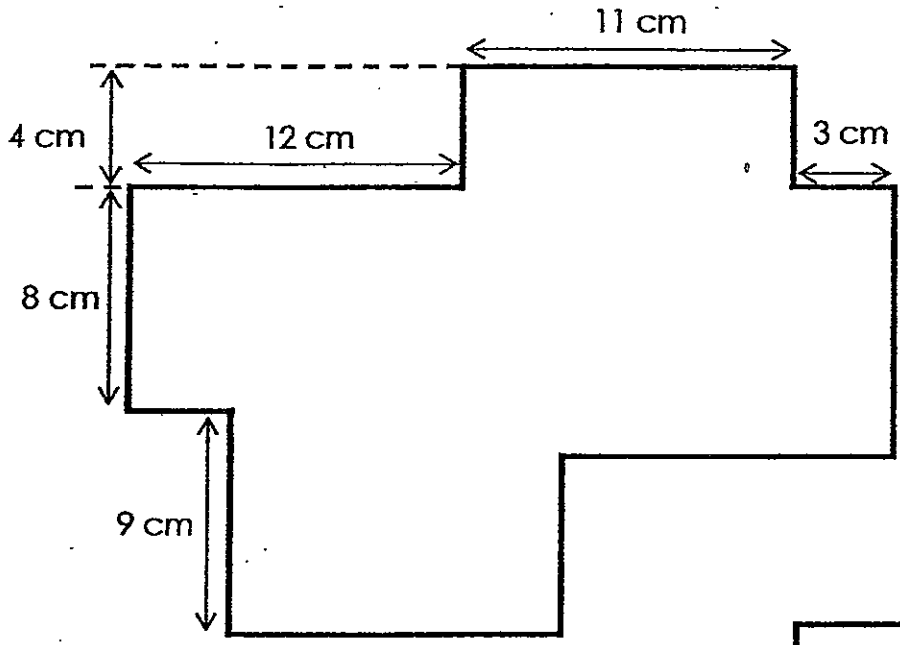
27. A picture frame of length 20 cm and breadth 10 cm has a border of 2 cm. Find the area of the picture.



cm²

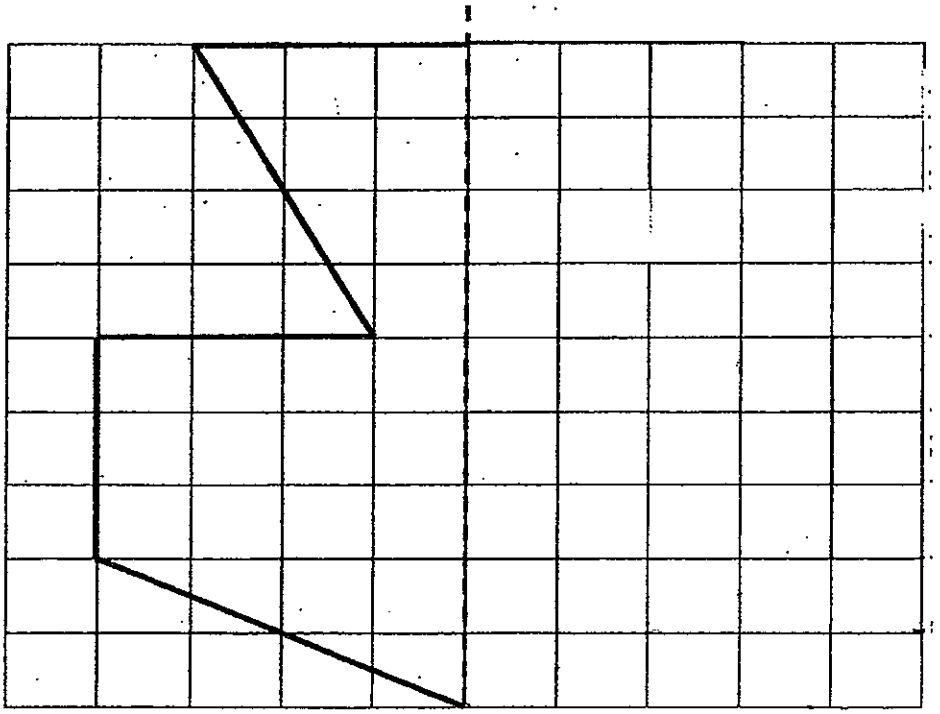
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28. The diagram below is not drawn to scale. Find the perimeter of the figure below. (All lines meet at right angles.)



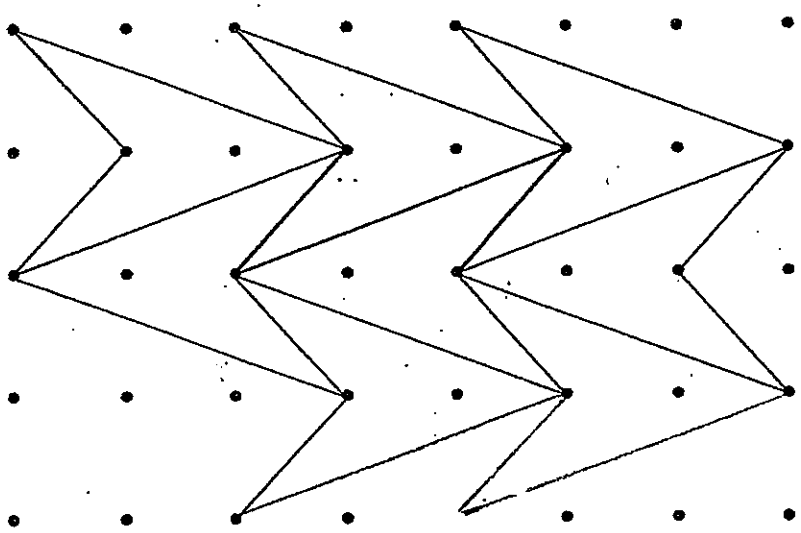
cm

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



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30. Draw two more unit shapes to complete the tessellation.



End of Paper

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PRIMARY 4 END-OF-YEAR EXAMINATION 2012

Name :_____ ( ) Date: 29 October 2012

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

Parent's Signature : _____ Marks: _____ / 40

MATHEMATICS

PAPER 2

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.

105

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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. Ali made some fruit punch. He added 6 ℓ 300 mℓ of orange juice to 2 ℓ 800 mℓ of pineapple juice. He then added 4 000 mℓ of water.

   How many litres of fruit punch does Ali have? (Give your answer in litres).

Ans: _____

---

2. Emily is sixteen years older than Paul. How old will Emily be when she is three times as old as Paul?

Ans: _____

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3. Siti paid $191 for a bag, a wallet and a pair of shoes. The wallet costs $19 more than the bag. The pair of shoes costs $27 more than the wallet. Find the cost of the pair of shoes.

Ans: _____

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4. Raju had 180 marbles. After giving away 20 marbles to John, he had four times as many marbles as John. How many marbles did John have at first?

Ans: _____

---

5 Mr Tan drove from Town A to Town B. He left Town A at 19 20. He drove for 6h 15min and then stopped for a coffee break. He drove for another 3h 5min before reaching Town B at 05 10. How long was his coffee break?

Ans: _____

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6. Lina bought some erasers. If she gives 8 erasers to each friend, she would have 6 erasers remaining. If she gives 9 erasers to each friend, she would have 1 eraser remaining.

(a) How many friends did Lina have?

(b) How many erasers did Lina buy?

Ans: (a)_____ (3m)

Ans: (b)_____ (1m)

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7. A box with 12 packets of milk weighs 3.7 kg. The mass of 2 packets of milk is 0.6 kg. Find the mass of the box with 8 packets of milk. (Give your answer in kilograms).

Ans: _____

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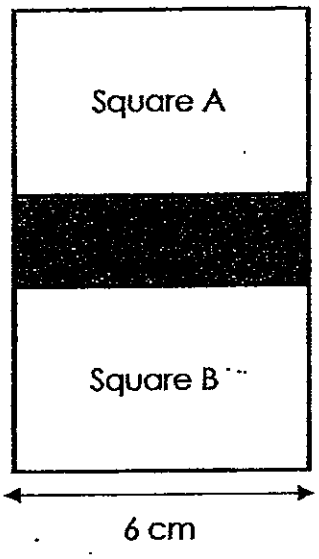
8. Samy has some beads. He gave $\frac{5}{8}$ of them to his sister and half of the remainder to his brother. He then has 1236 beads left. How many beads did he have at first?

Ans: _____

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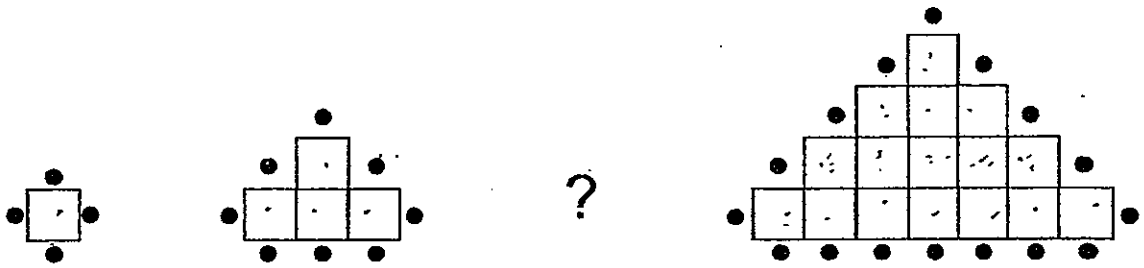
9. The figure below is made up of 2 identical squares, A and B.

$\frac{1}{3}$ of Square A overlaps with $\frac{1}{3}$ of Square B. Find the **unshaded** area.



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10. Study the pattern.



Pattern 1 **Pattern 2** **Pattern 3** **Pattern 4**

(a) Draw **Pattern 3.** (1m)

(b) How many **dots** are there in Pattern 12?

(c) At which **pattern** will there be 576 squares?

Ans: (b) _____ (1m)

(c) _____ (2m)

End of Paper

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Answer Ke

EXAM PAPER 2012

SCHOOL : TAO NAN
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA2

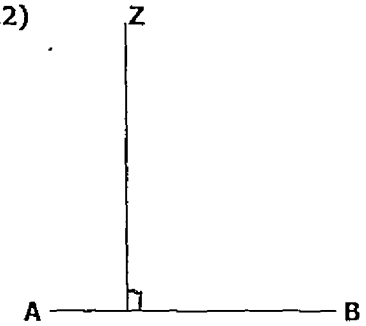
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	3	4	2	4	1	3	4	2

11)12042 **12)2 and 3** **13)140** **14)5/12, 5/6, 11/12**

15)26.75 **16)5/12** **17)0.08** **18)0.13** **19)129°**

20)24° **21)3 pairs**

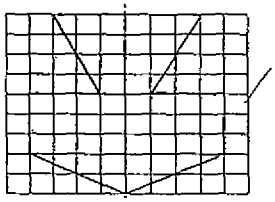
22)



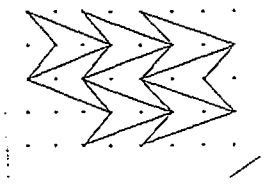
23)Home **24)P 2 and P 6** **25)55**

26)137.5cm2 **27)96cm2** **28)94cm**

29)



30)



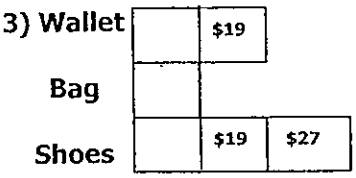
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Paper 2

1)4000ml = 4L
6L 300ml + 2L 800ml + 4L = 3L 100ml
13L 100ml = 13.1L
Ali have 13.1L of fruit punch.

2)16÷2 = 8
8 x 3 = 24
Emily will be 24 years old when she is three times as old as Paul.

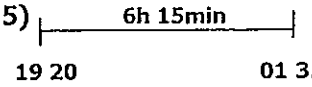
3)

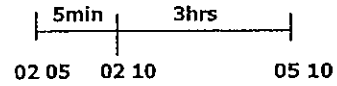


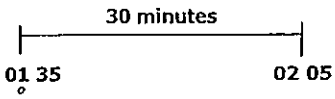
B+W+S = $191
$19 x 2 = $38
$191 – $38 = $153
$153 – $27 = $126
$126÷3 = $42
$42 + $19 + $27 = $88
A pair of shoes cost $88

4)180 – 20 = 160
160÷4 = 40
40 – 20 = 20
John had 20 marbles at first.

5)







His coffee break was 30 minutes

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6)

8	8,16,24,32,40,48,56,64,72,80,88
8+6	14,22,30,38,(46),54,62,70,78,86,94
9	9,18,27,36,45,54,63,72,81,90,99
9+1	10,19,28,37,(46),55,64,73,82,91,100

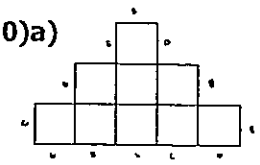
46 – 1 = 45
45 ÷ 9 = 5
a) Lina have 5 friends.
b) Lina bought 46 erasers.

7)0.6kg ÷ 2 = 0.3kg
0.3kg x 12 = 3.6kg
3.7kg – 3.6kg = 0.1kg
0.3kg x 8 = 2.4kg
2.4kg + 0.1kg = 2.5kg
The mass of the box with 8packets of milk is 2.5kg

8)8units x 2 = 16units
1236 ÷ 3 = 412
412 x 16 = 6592
Samy have 6592 beads at first.

9)6cm x 6cm = 36cm$_2$
36cm$_2$ ÷ 3 = 12cm
12cm x 2 = 24cm$_2$
24cm$_2$ x 2 = 48cm$_2$
The unshaded area is 48cm$_2$

10)a)



b)12 x 4 = 48
There are 48 dots in pattern 12

c)There will be 576 squares at pattern 24

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