PRIMARY 4 END-OF-YEAR EXAMINATION 2013

Name : _____ ( ) Date: 24 October 2013

Class : Primary 4 ( ) Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : Marks: _____ / 100

MATHEMATICS

PAPER 1

(Booklet A and Booklet B)

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

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 (20 marks)
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. 33 thousands and 5 tens is the same as _____.

   (1) 335

   (2) 3350

   (3) 33 005

   (4) 33 050

2. Which of the following numbers when rounded off to the nearest ten becomes 63 500?

   (1) 63 445

   (2) 63 498

   (3) 63 508

   (4) 63 559

3. Which of the following fractions is in its simplest form?

   (1) $\frac{5}{6}$

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

   (3) $\frac{6}{9}$

   (4) $\frac{2}{12}$

4. Find the value of $\frac{7}{12} - \frac{1}{4}$.

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

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

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

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

5. Write $4\frac{7}{20}$ as a decimal.

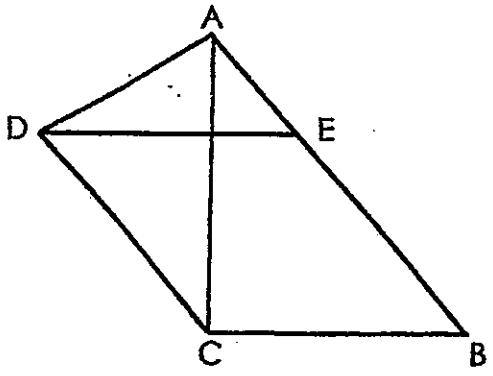
(1) 4.7

(2) 4.72

(3) 4.35

(4) 4.035

6. One of the lines in the figure is parallel to DC.
Which line is parallel to DC?



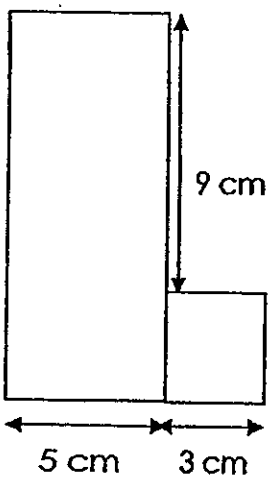
(1) AB

(2) AC

(3) AD

(4) DE

7. The figure shown is made up of a rectangle with breadth 5 cm and a square of side 3 cm. What is the perimeter of the whole figure?



(1) 17 cm
(2) 37 cm
(3) 40 cm
(4) 43 cm

8. $\frac{3}{4}$ of a complete turn is _____ °

(1) 90
(2) 180
(3) 270
(4) 360

9. Kevin has the same number of 20-cent coins and 50-cent coins that add up to $7. How many 20-cent coins does he have?

(1) 5
(2) 10
(3) 15
(4) 25

10. Arthur weighs 32.8 kg. His father weighs twice as much as Arthur. What is their total mass?

(1) 16.4 kg

(2) 49.2 kg

(3) 65.6 kg

(4) 98.4 kg

End of Booklet A

Tao Nan School
Primary 4 Mathematics End-Of-Year Examination 2013

Name: _____ ( ) Class: Primary 4 ( )

Paper 1 : Booklet B (40 marks)

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 thirteen thousand and fifty-eight in figures.

12. Write the missing number in the number pattern below?

4559 , 4809 , 5059 , _____ , 5559

13. Which two of the fractions below are equivalent to $\frac{8}{12}$?

$\frac{2}{3}$, $\frac{3}{6}$, $\frac{16}{24}$

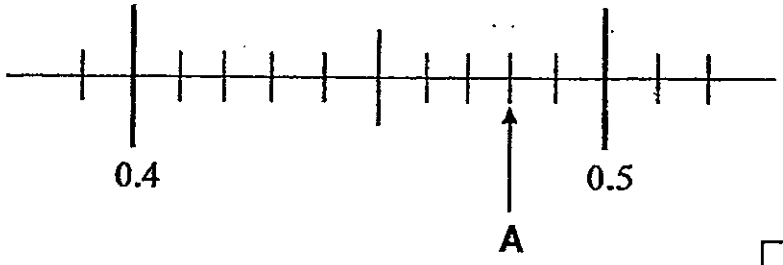
and

14. What is the value of $\frac{7}{9} + \frac{2}{3}$?

Express your answer as a mixed number.

15. Write 8 tenths as a decimal.

16. Write the decimal represented by A.



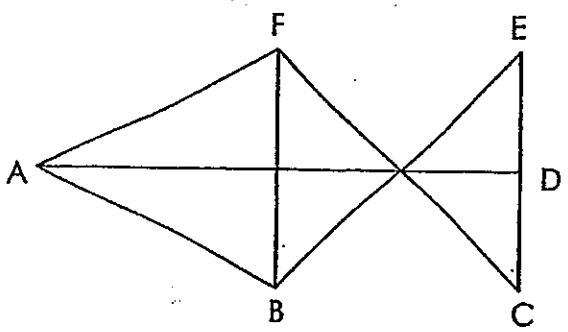
17. Arrange the following numbers in order from the greatest to the smallest.

0.069 , 0.906 , 0.609

(greatest) (smallest)

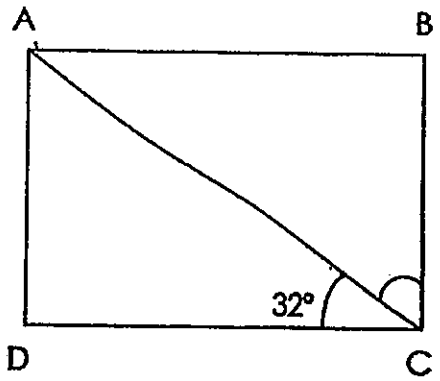
18. Find the value of 9.76 x 8.

19. One of the lines in the figure is perpendicular to CE. Which line is perpendicular to CE ?



20. Mariam is facing East. She makes a 90° clockwise turn. Then she makes a $\frac{3}{4}$ - turn in an anti- clockwise direction.
What direction does she end up facing?

21. ABCD is a rectangle. Find ∠ACB.

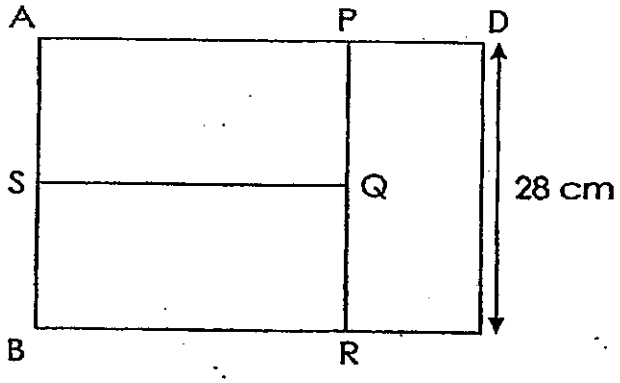


°

22. When it is 20 00 in Singapore, it is 22 00 in Melbourne. A plane took off from Singapore at 21 05 and flew to Melbourne. When it landed in Melbourne, a clock there showed 06 45. How long did the flight actually take?

min

23. Three identical rectangles form a bigger rectangle ABCD.
What is the length of BC?

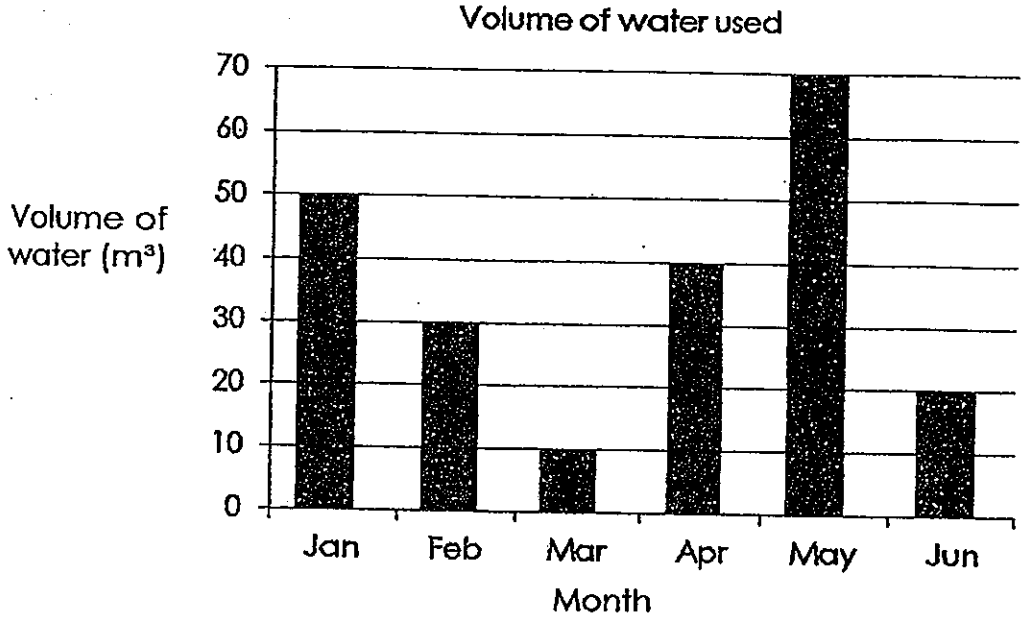


cm

24. The area of a rectangle is 48 cm². Its breadth is 4 cm.
Find the perimeter of the rectangle.

cm

The bar graph below shows the volume of water Karen's family used from January to June. Study it carefully and answer **questions 25 and 26.**

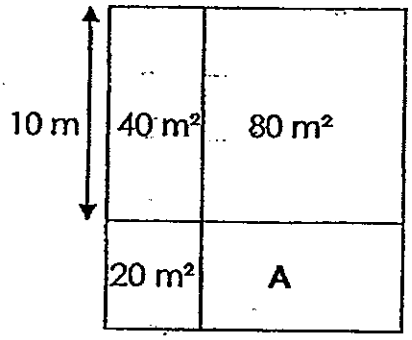


25. In which month did Karen's family use 40 m³ less water than what was used in May?

26. In which month was the volume of water used $2\frac{1}{2}$ times that of the volume of water used in June?

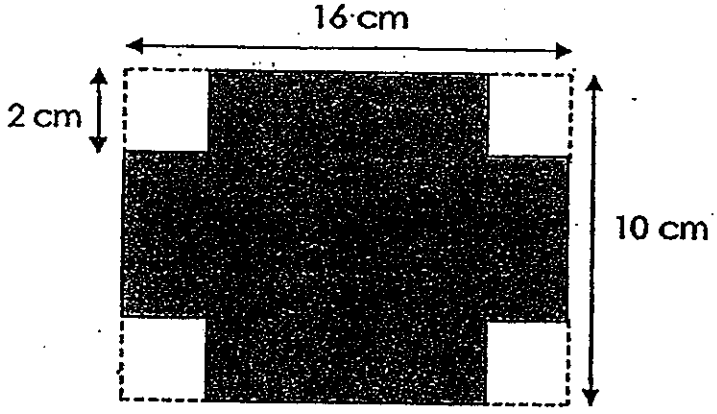
27. The figure below is made up of 4 rectangles.

Find the area of rectangle A.



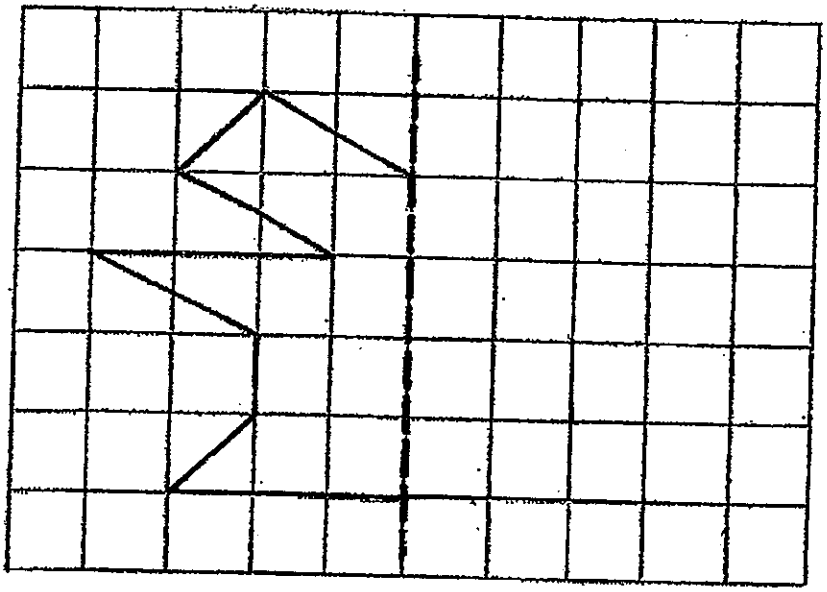
m²

28. The figure below shows a rectangle measuring 16 cm by 10 cm. Four identical small squares of side 2 cm are cut out from each corner of the rectangle. Find the area of the remaining figure.

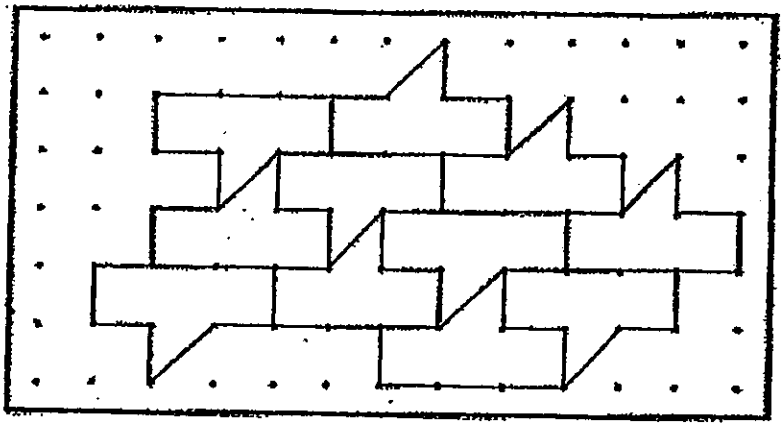


cm²

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



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



End of Paper 1

PRIMARY 4 END-OF-YEAR EXAMINATION 2013

Name : _____ ( ) Date: 24 October 2013

Class : Primary 4 ( ) Time: 10.30 a.m. - 11.30 a.m.

Parent's Signature : _____ Marks: _____ / 40

MATHEMATICS

PAPER 2

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

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. A wire 10.2 m long is cut into two pieces. One piece is 3 times as long as the other. Find the length of the longer piece in metres.

   (Round off your answer to 1 decimal place)

Ans: _____

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2. Tim is 5.5 kg lighter than Sam, Ben is twice as heavy as Tim. The total mass of the three boys is 159.1 kg. What is Tim's mass?

Ans: _____

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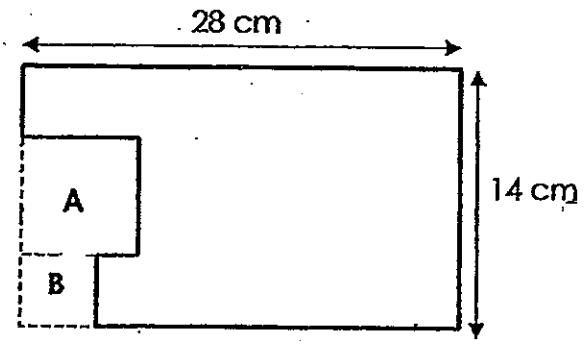
3. Jolene had a piece of cardboard measuring 28 cm by 14 cm. She cut out Square A of side 6 cm and Square B of side 4 cm as shown. Find the perimeter of the remaining piece of cardboard.



Ans: _____

4. Pole A is 12 cm longer than Pole B $\frac{2}{3}$ the length of Pole B is equal to half the length of Pole A. What is the length of Pole B?

Ans: _____

5. Ali and Bala have some money. If Ali gives Bala $50, they will have the same amount of money. How much more money does Ali have than Bala?

Ans: _____

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6. Kai Ming had $100. He bought 2 books at $24.50 each and spent part of the remaining money on 3 calculators. If he had $11.40 left, how much did each calculator cost ?

Ans: _____

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8. Mother bought 9 cotton ribbons and silk ribbons altogether. The total length of the ribbons bought was 21 m. Each cotton ribbon was 3 m long and each silk ribbon was 2 m long. How many silk ribbons did Mother buy?

Ans: _____

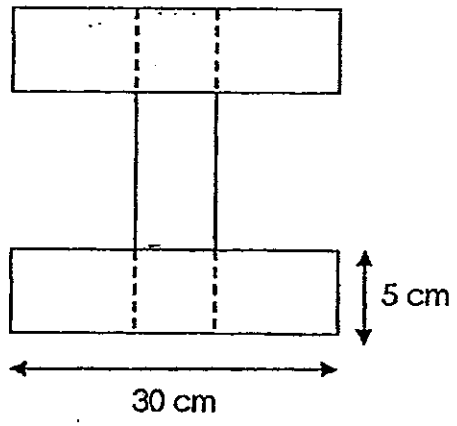
7. Aunt Susan baked 90 cupcakes. She gave 54 cupcakes to her friends.

She then sold $\frac{2}{3}$ of the remaining cupcakes at $3.00 each.

How much money did she receive from the sale of the cupcakes?

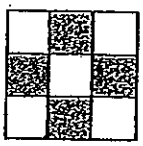
Ans: _____

9. The letter I below is made up of three identical overlapping rectangles. Each rectangle measures 30 cm by 5 cm. Find the area of the letter I.

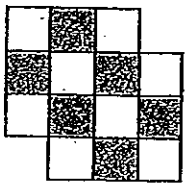


Ans: _____

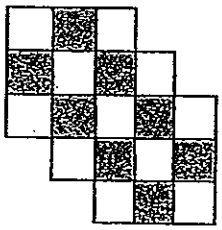
10. A sequence of shaded and unshaded squares is shown in the patterns below.



Pattern 1



Pattern 2



Pattern 3

a) Complete the table below for Pattern 4. (1 mark)

Pattern Number	Number of shaded squares	Number of unshaded squares
Pattern 1	4	5
Pattern 2	6	8
Pattern 3	8	11
Pattern 4		

b) In which pattern will there be 16 shaded squares? (1 mark)

Ans: b) _____

c) How many unshaded squares are there in Pattern 12? (2 marks)

Ans: c) _____

End of Paper 2

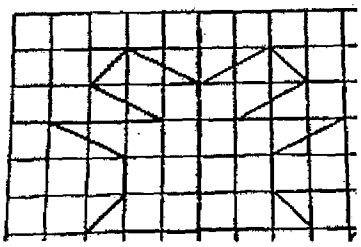
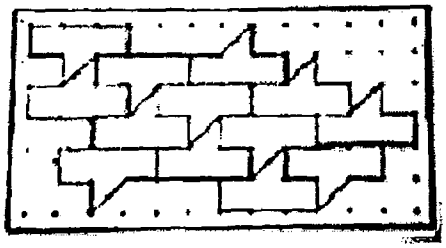
Answer Ke

EXAM PAPER 2013

SCHOOL : TAO NAN PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : SA2

Booklet A

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

11. 13058
12. 5309
13. $\frac{2}{3}$ And $\frac{16}{24}$
14. $1\frac{4}{9}$
15. 0.8
16. 0.48
17. 0.906 0.609 0.069
18. 78.08
19. AD
20. West
21. 58 degree
22. 7 h 40 min
23. 42 cm
24. 32cm
25. February
26. January
27. 40
28. 144
29. 
30. 

Paper two:

1. 10.2÷4=2.55
   2.55x3=7.65
   7.65≈7.7
   Answer: the length of the longer piece is 7.7 m
2. 159.1-5.5=153.6
   153.6÷4=38.4 kg
3. 6+4=10
   14-10=4
   28-4=24
   6-4=2
   28+14+24+4+2+6+6+4=88 cm
4. 12x3=36 cm
5. 50x2=100 dollars
6. 24.50x2=49
   49+11.40=60.40
   100-60.40=39.60
   39.60÷3=13.20 dollars

9.5x2=10
   30-10=20
   30x5=150
   150x2=300
   20x5=100
   300+100=400 cm square

10a).10 14

b). 16-2=14
   14÷2=7
   Answer: pattern 7

c). 12x3=36
   36+2=38