NAN HUA PRIMARY SCHOOL

CONTINUAL ASSESSMENT 2 - 2011

PRIMARY FOUR

MATHEMATICS

Duration: 1 hr 45 min

INSTRUCTIONS TO CANDIDATES

1. Write your name, register number and class in the blanks provided.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.

Marks Obtained

Total Marks: | | / 100 |

Name: _____ (   )

Class: P 4 _____

Date: 24 August 2011   Parent's Signature: _____

Questions 1 to 20 carry 2 marks each.
Of the 4 options given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and shade the correct oval on the Optical Answer Sheet (OAS).

1. A number when rounded off to the nearest ten is 42 350.
   Which of the following is the greatest possible number?

   (1) 42 344
   (2) 42 349
   (3) 42 354
   (4) 42 359   (   )

2. The factors of 8 are _____.

   (1) 1, 4, 8, 12
   (2) 1, 3, 6, 8
   (3) 1, 2, 4, 8
   (4) 1, 2, 3, 4   (   )

3. 5.795 when rounded off to 2 decimal places is _____.

   (1) 5.70
   (2) 5.79
   (3) 5.80
   (4) 5.89   (   )

4. Write 8 ones, 6 hundredths and 3 thousandths in numerals.

   (1) 863
   (2) 8.63
   (3) 8.063
   (4) 0.863   (   )

1

5. Arrange the following numbers in descending order:
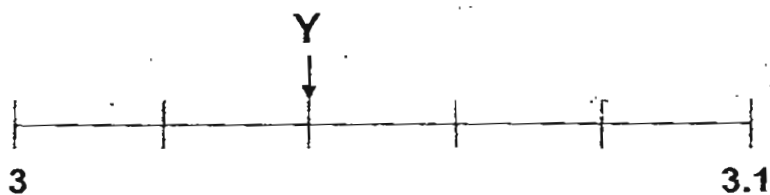
$$4.035 \quad , \quad 4.35 \quad , \quad 4.503 \quad , \quad 4\frac{3}{5}$$

(1) $4.503 \quad , \quad 4\frac{3}{5} \quad , \quad 4.35 \quad , \quad 4.035$

(2) $4\frac{3}{5} \quad , \quad 4.503 \quad , \quad 4.35 \quad , \quad 4.035$

(3) $4\frac{3}{5} \quad , \quad 4.035 \quad , \quad 4.35 \quad , \quad 4.503$

(4) $4.035 \quad , \quad 4.35 \quad , \quad 4.503 \quad , \quad 4\frac{3}{5}$ (·)

6. What is the decimal that is represented by Y?

3   3.1

(1) 3.002
(2) 3.004
(3) 3.02
(4) 3.04   ( )

7. Express 9.02 as a mixed number in the simplest form.

(1) $9\frac{1}{5}$

(2) $9\frac{2}{5}$

(3) $9\frac{1}{2}$

(4) $9\frac{1}{50}$ ( )

2

8. Express $\frac{7}{20}$ as a decimal.

    (1)   0.13
    (2)   0.27
    (3)   0.35
    (4)   0.70   (   )

9. Ethan has 96 marbles His friend has 52 marbles. How many marbles must Ethan give his friend so that they have equal number of marbles?

    (1)   44
    (2)   33
    (3)   22
    (4)   11   (   )

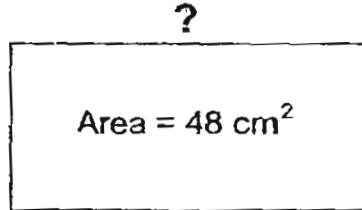10. Find the product of 3.88 and 6.

    (1)   23.28
    (2)   21.28
    (3)   18.88
    (4)   10.54   (   )

11. $0.6 + \frac{7}{1000} + \underline{\qquad} = 0.687$

    What is the missing number?

    (1)   0.008
    (2)   0.08
    (3)   0.8
    (4)   8.0   (   )

3

12. The area of the rectangle is 48 cm². The length is 2 cm longer than its breadth. Find the length of the rectangle.

?

Area = 48 cm²

(1) 6 cm
(2) 8 cm
(3) 12 cm
(4) 24 cm   (   )

13. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$ ☐

(1) $6\frac{1}{4}$

(2) $\frac{1}{4} + 5$

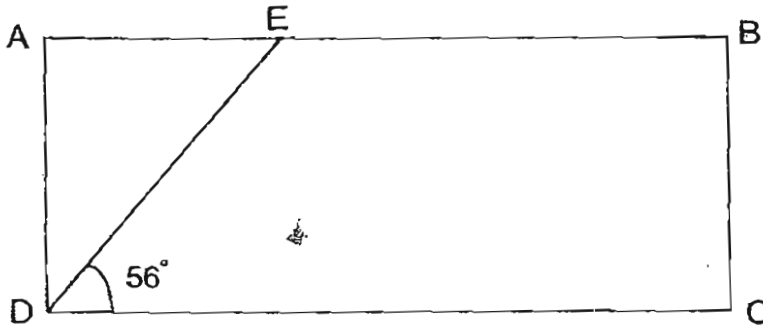(3) $\frac{1}{4} \times 6$

(4) $5\frac{1}{4}$ (   )

14. Cherry earned $6.50 an hour working in a fast food restaurant as a waitress. Her sister earned 50 cents less for each hour.
They both worked for 5 hours in a day for 3 days.
Find their total earnings for the 3 days.

(1) $62.50
(2) $67.50
(3) $187.50
(4) $202.50   (   )

15. The rectangle below is not drawn to scale. Find ∠ ADE.
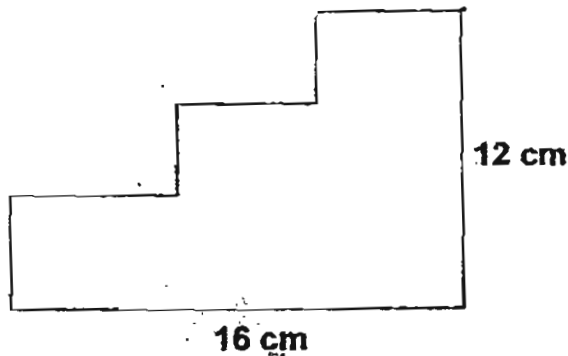

(1)   24°
(2)   34°
(3)   44°
(4)   90°   (   )

16. Mrs Tan bought 3.2 kg of prawns and $1\frac{1}{4}$ kg of squid to make seafood spaghetti. How much seafood did she buy?

(1)   1.95 kg
(2)   4.34 kg
(3)   4.45 kg
(4)   4.61 kg   (   )

17. The figure below is not drawn to scale. All the lines meet at right angles.
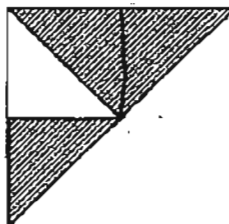

Find the perimeter of the figure.

(1)   56 cm
(2)   32 cm
(3)   28 cm
(4)   24 cm   (   )

5

18. Last Sunday, Jamie and her family spent $\frac{1}{3}$ of the day relaxing at a country club. They spent a total of 6 hours on travelling and taking meals. The rest of the time was spent at home. How many hours did they spend at home? (A day is made up of 24 hours.)

(1)   6
(2)   9
(3)   10
(4)   14   (   )

19. What fraction of the figure given below is shaded ?

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

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

(3) $\frac{5}{8}$

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

20. Complete the number pattern below.

2.05, _____, 2.35, 2.65, 3.05

(1)   2.06
(2)   2.15
(3)   2.20
(4)   2.25   (   )

6

Questions 21 to 40 carry 2 marks each. Write out the correct answers for the following questions in the boxes provided. **Show your workings clearly and give your answers in the units provided.**

21. What is the <u>place value</u> of the digit '6' in 14.682.

22. Using all the following digits to form the **greatest** decimal with <u>2 decimal places</u>.

<p style="text-align:center;">6, 9, 4, 7</p>
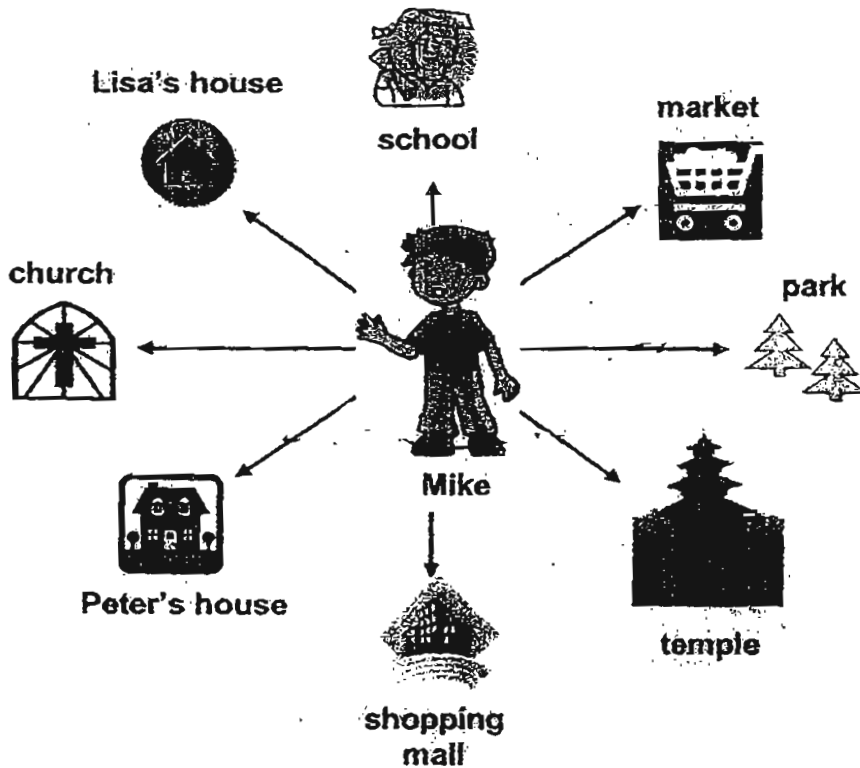
23. Express $2\frac{3}{5}$ as a decimal.

24. What is the sum of the first 3 multiples of 4?

25. How many **hundredths** are there in 1.03?

26. $\boxed{?}$ 0.01 more than 18.88

27. Refer to the diagram below. If Mike is facing Peter's house now and then he turns 135° in the anti-clockwise direction. Where would Mike be facing then?

Lisa's house

school

market

church

park

Mike
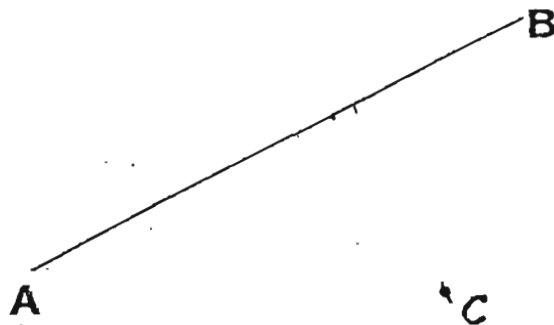
Peter's house

temple

shopping mall

28. $1\dfrac{2}{3} = \dfrac{\square}{9}$

What is the missing number in the box?

29. How many right angles will the minute hand form when it moves from 10.10 a.m. to 11.25 a.m. ?

30. AB is a straight line. Draw a line perpendicular to AB passing through the point C (You may use your ruler and set-square)

B

A

C

31. The area of square ABCD is 81 cm². The area of the smaller shaded square is 16 cm². Find the length AE. (The figure is not drawn to scale.)

A ←————————————→ E   D

B   C

┌─────────────────┐
│   │ cm
└─────────────────┘
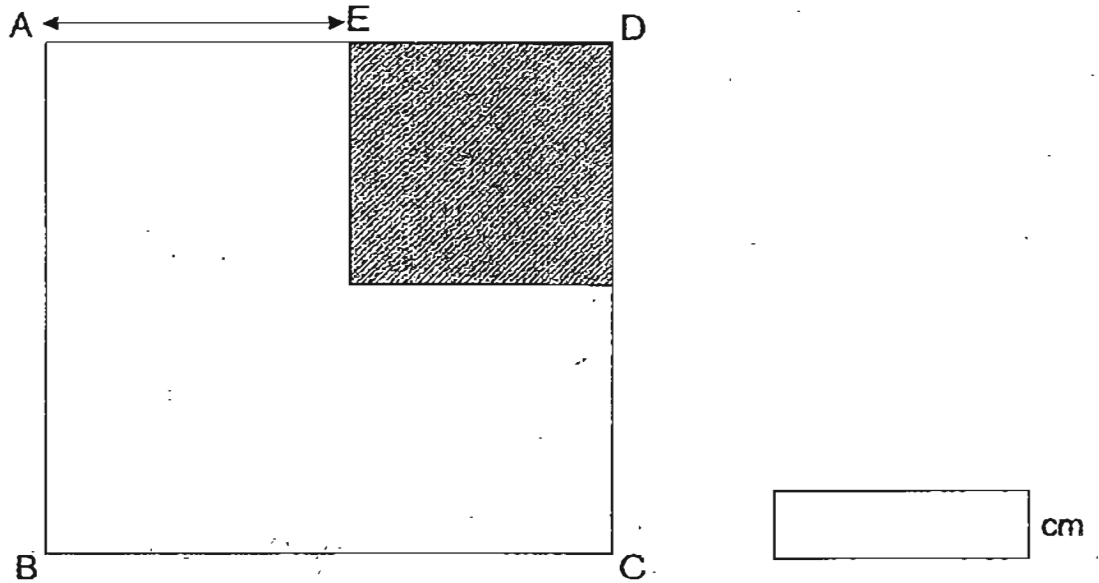
32. The table below shows the rental charge of bicycles at a rental shop. Thomas rented a bicycle for 5 hours and received a $2 discount. How much did he have to pay in total?

Rental	Charge rate
Bicycle	$5.50 per hour

$ ┌─────────────────┐
  │   │
  └─────────────────┘

33. During the first day of camp, there were 280 boys and girls altogether. On the second day of camp, 24 boys left the camp. The number of remaining boys was thrice the number of girls. How many boys were there on the first day of camp?

	boys

34. Mr Wang gave half of his fortune to his wife and donated $\frac{1}{4}$ to charity.

He then divided the remainder equally among his 3 children. If each of his children received $2 000. How much was his fortune?

$ | |
|--------------------|

35. A wire is used to form a rectangle and 3 similar squares. Constance used 6.2 m to form the rectangle. The side of each square is 1.2 m. What is the total length of the wire used?
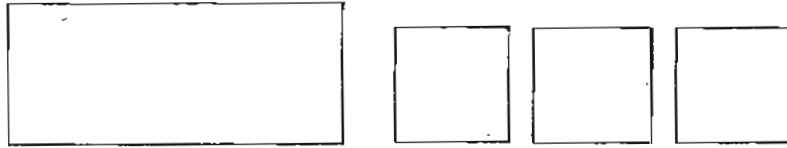
_____ m

36. What is the fraction that is represented by A?
Give your answer in the simplest form.

A

$\dfrac{1}{4}$

[ ]
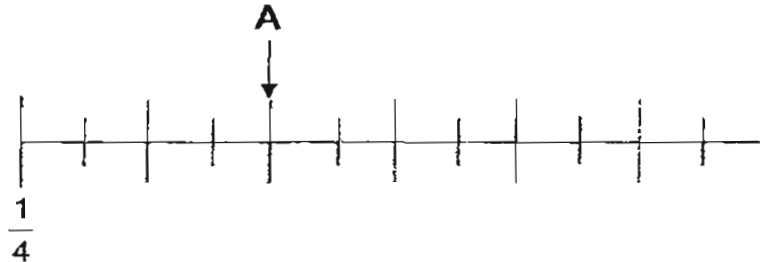
37. The total mass of 3 big sacks of flour is the same as the total mass of 5 small sacks of flour. A big sack of flour is 2.2 kg heavier than a small sack of flour. What is the mass of a small sack of flour?

_____ kg

38. Xavier has $76.50. Wayne has $4.75 less than Xavier but $5.80 more than Yasmine, how much money does Yasmine have?

$ [ ]

39. The length of rectangle WXYZ is 3 times its breadth. The perimeter is 48 cm. Find the length of XY.

W ┌──────┬──────┬──────┐ Z
  │   ┊   ┊   │
X └──────┴──────┴──────┘ Y
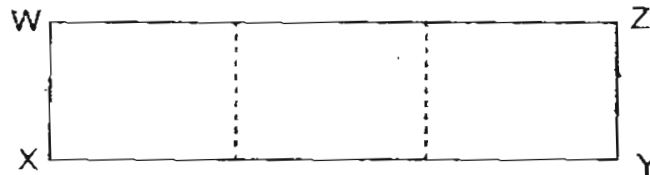
[ ] cm

40. A jug can hold 2.65ℓ of water. A bottle can hold 1.3ℓ less water than the jug. What is the total capacity of 2 similar bottles?

[ ] ℓ

13

For each of the following questions, show your workings and mathematical statements in the space below each question. Write your answer in the answer space provided.

41. 2 brothers and 4 sisters paid $2 450 for a set of leather sofa. Each of the sisters contributed $425. The rest of the cost was shared equally between the 2 brothers. How much did each of the brothers contribute?

42. Kenny is 0.12 m taller than Leena. Mabel is 0.23 m shorter than Leena. If Mabel is 1.46 m tall, how tall is Kenny?

43. A brick wall of width 20 cm surrounds a flower bed 60 cm long and 48 cm wide. What is the total area of the brick wall?

100cm

88cm

Flower Bed
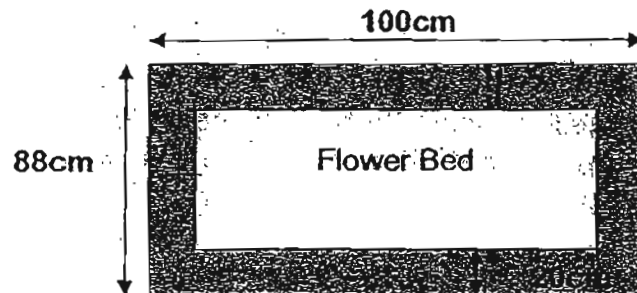
44. Jonathan builds some patterns using square tiles as shown below.

(a) Find the number of tiles in the 7th pattern.

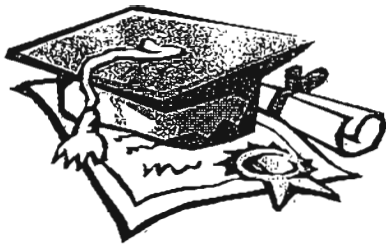(b) In which pattern will you find 121 tiles?

1st
pattern

2nd
pattern

3rd
pattern

45. Fiona had $1 200. She gave $\frac{3}{5}$ of her money to her mother.

She also gave Jee Long and Jee Min $110 each. How much money had she left ?

EXAM PAPER 2011

SCHOOL : NAN HUA
SUBJECT : PRIMARY 4 MATHEAMATICS

TERM : CA2
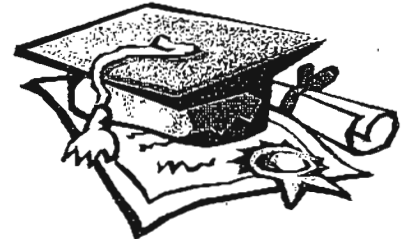
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
3	3	3	3	2	4	4	3	3	1	2	2	3	3	2	3	1

Q18	Q19	Q20
3	2	2

21)tenths   22)9764   23)2.6   24)24   25)103

26)18.89   27)Park   28)15   29)5   30)

31)16 = 4 x 4
   81 = 9 x 9
   9 − 4 = 5cm

32)5 x $$5.50 = $27.50
   $27.50 − $2 = $25.50

33)280 − 24 = 256
   256 ÷ 4 = 64
   64 x 3 = 192
   192 + 24 = 216 boys

34)$200 x 3 = $6000
   $6000 x 2 = $12000
   $12000 x 2 = $24000

35)1.2m x 4 = 4.8m
   4.8m x 3 = 14.4m
   14.4m + 6.2m = 20.6m

36) ½

37)2.2kg x 3 = 6.6kg
   6.6kg ÷ 2 = 3.3kg

38)$76.50 − $4.75 = $71.75
   $71.75 − $5.80 = $65.95

39)48cm ÷ 8 = 6cm
   6cm x 3 = 18cm

40)2.65L − 1.3L = 1.35L
   1.35L x 2 = 2.70L = 2.7L

41)4 x $425 = $1700
   $2450 − $1700 = $950
   $750 ÷ 2 = $375
Each of the brothers contribute $375

42)1.46m + 0.23m = 1.69m
   1.69m + 0.12m = 1.81m
Kenny is 1.81m tall
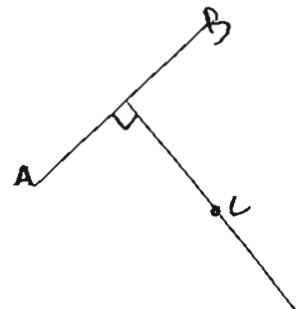
43) 100cm x 88cm = 8800cm^2
    20cm x 2 = 40cm
    88cm − 40cm = 48cm
    100cm − 40cm = 60cm
    60cm x 48cm = 2880cm^2
    8800cm^2 − 2880cm^2 = 5920cm^2
The area of the brick wall is 5920cm^2

44) number of tiles→7 x 7 = 49
    Pattern→121 = 11 x 11
a) The number of tiles in the 7th pattern is 49
b) In the 11th pattern you will find121 tiles

45) $1200 x 3/5 = $720
    2 x $110 = $220
    $720 + $220 = $940
    $1200 − $940 = $260
She had $260 left