NAN HUA PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 - 2011

PRIMARY THREE

MATHEMATICS

Time: 1 h 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. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1 - 20.

Marks Obtained

Section	Maximum Marks	Actual Marks
A	40	
B	40	
C	20	
Total	.100	

Name : _____ (   )

Class: P 3 _____

Date :   21 October 2011   Parent's Signature : _____

Section A (20 × 2 marks)

For each question, 4 options are given. Only one of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade the correct oval in the Optical Answer Sheet (OAS).

1) In which one of the following numbers does the digit '8' have the **greatest** value?

   (1)   8 264

   (2)   6 482

   (3)   4 826

   (4)   2 648   (   )

2) 7 thousands and 4 tens is the same as _____.

   (1)   704

   (2)   740

   (3)   7 004

   (4)   7 040   (   )

3) The difference between 2 numbers is 15.
   If the bigger number is 83, what is the other number ?

   (1)   98

   (2)   81

   (3)   68

   (4)   66   (   )

4) If ♠ x 3 = 15, then ♠ x ♠ is equal to _____.

   (1)   10

   (2)   12

   (3)   18

   (4)   25   (   )

5) A number is divided by 8. The quotient is 12 and the remainder is 3.
   What is the number ?

   (1)   36

   (2)   44

   (3)   93

   (4)   99   (   )

6) Evan bought 4 boxes of egg tarts. Ann bought 3 boxes of egg tarts.
   There were 6 egg tarts in each box. How many egg tarts did they have in all ?

   (1)   30

   (2)   36

   (3)   42

   (4)   72   (   )

3

7) Mary exchanges a $5-note for 10 coins. Each of the coins has the same value. What is the value of each coin ?

    (1)   5¢

    (2)   10¢

    (3)   20¢

    (4)   50¢   (   )

8) Meiyan is given $4 a day. She spends $1.80 on food, $0.90 on transport and saves the rest. How much does she save ?

    (1) $1.30

    (2) $2.20

    (3) $2.70

    (4) $3.10   (   )

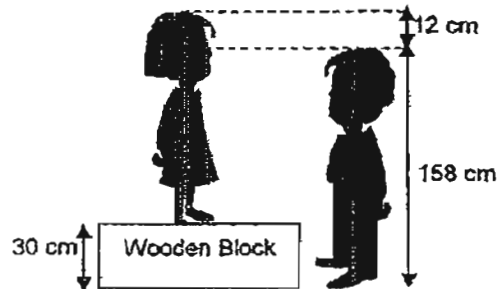9) 5020 m is the same as _____ .

    (1)   5 m 20 cm
    (2)   5 km 20 m
    (3)   5 km 20 cm
    (4)   50 m 20 cm   (   )

10) Siti is 12 cm taller than her brother when she stands on a 30-cm high wooden block. If the height of her brother is 158 cm, what is Siti's height?

12 cm

158 cm

30 cm | Wooden Block

    (1)   116 cm

    (2)   128 cm

    (3)   140 cm

    (4)   146 cm   (   )

11) The mass of a healthy newborn baby is most likely to be _____ .

    (1)   30 g
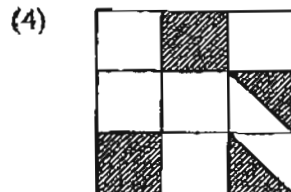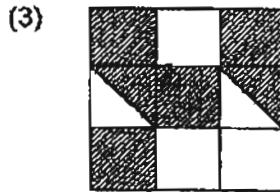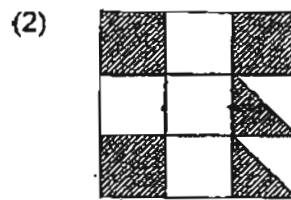
    (2)   300 g

    (3)   3 kg

    (4)   30 kg   (   )
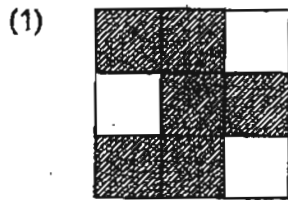
12) Shaun is 4 times as heavy as Meili. If Shaun is 24 kg heavier than Meili, what is their total mass?

    (1)   30 kg

    (2)   32 kg

    (3)   40 kg

    (4)   48 kg   (   )

5

13) Which figure below shows $\frac{2}{3}$ unshaded ?

(1)

(2)

(3)

(4)

(   )

14) Which group of fractions is arranged in order, beginning with the **greatest**?

(1) $\frac{7}{8}, \frac{1}{4}, \frac{1}{2}$

(2) $\frac{7}{8}, \frac{1}{2}, \frac{1}{4}$

(3) $\frac{1}{2}, \frac{1}{4}, \frac{7}{8}$

(4) $\frac{1}{4}, \frac{7}{8}, \frac{1}{2}$

(   )

15) What time does the clock below show ?

    (1)   10 minutes to 4

    (2)   10 minutes to 5

    (3)   10 minutes past 4

    (4)   25 minutes past 10   (   )

16) 3 h 5 min is the same as _____ .

    (1)   350 min
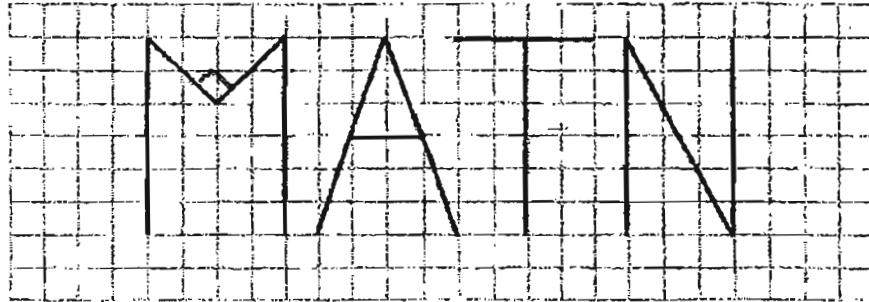
    (2)   305 min

    (3)   230 min

    (4)   185 min   (   ).

17) How many angles inside the figure shown below
are <u>smaller than a right angle</u> ?

    (1)   7

    (2)   6
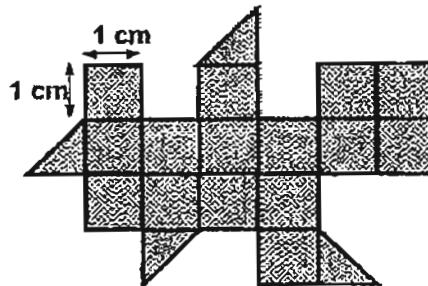
    (3)   3

    (4)   4

                 (   )

18) In the diagram below, the letters M, A, T and N are drawn on a square grid. Which of the following letters has both parallel and perpendicular lines?

(1) M

(2) A

(3) T
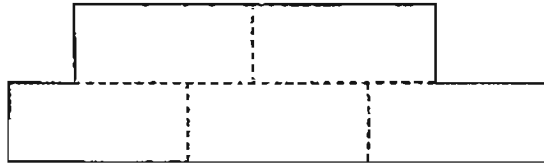
(4) N   (   )

19) What is the area of the shaded figure below ?

(1) 16 cm²

(2) 17 cm²

(3) 18 cm²

(4) 19 cm²   (   )

20) The figure shown below is made up of five similar rectangles 8 cm by 4 cm. Find the perimeter of the figure.

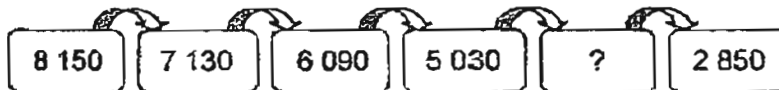(1)   64 cm

(2)   56 cm

(3)   48 cm

(4)   40 cm   (   )

Section B (20 × 2 marks)

For each question, show your working clearly in the space below and write your answer in the box provided. Give your answer in the unit stated.

21) Study the number pattern carefully. Then fill in the missing number.

| 8 150 | 7 130 | 6 090 | 5 030 | ? | 2 850 |

22) I am a 4-digit number with the digits 0, 4, 5 and 8.
I am the smallest possible odd number between 4 000 and 5 000.
What number am I ?

23) A baker baked 235 egg tarts.
He baked 70 more egg tarts than peach tarts.
How many tarts did he bake altogether?

tarts

10

24) What is the product of 48 and 7 ?

25) Caili had 180 stamps. She gave a **quarter** of them to her brother.
She then arranged **the rest** equally into 9 albums.
How many stamps were there in each album?

stamp:

26) Some cartons of milk are on sale in a supermarket.
Mrs Lee needs to get 9 cartons of milk for her class.
How much does she have to spend ?
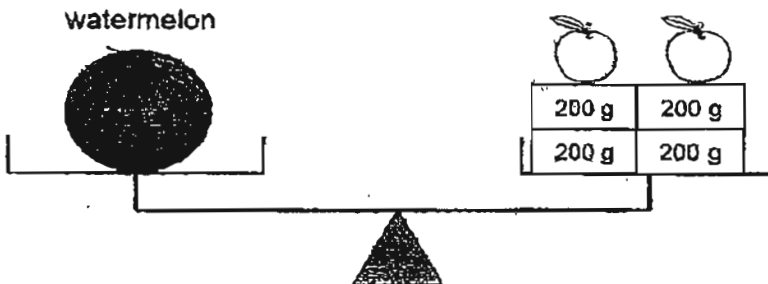
On Sale!

$3.50 each

Buy 2 get 1 free!

$

27) A table and a chair cost $225. The table costs twice as much as the chair.
Find the cost of the table.

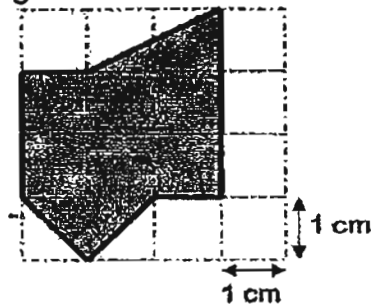$ [   ]

28) The diagram below shows a watermelon, 2 apples of similar mass and 4 similar
blocks. The mass of the watermelon is 1 450 g and the mass of each block is
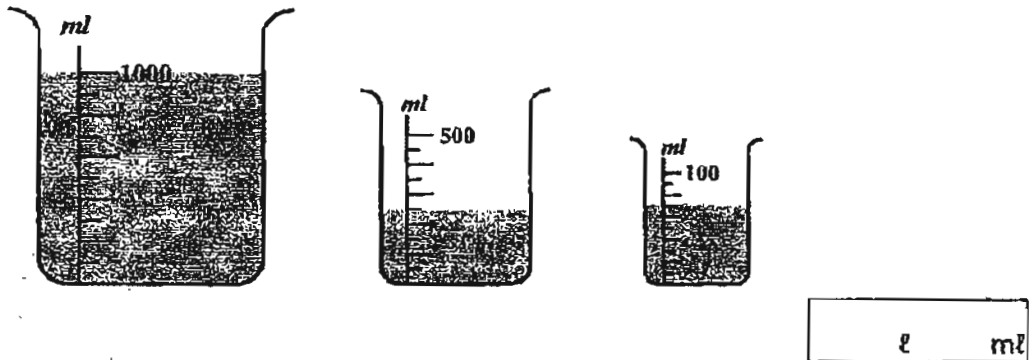200 g, what is the mass of each apple?

watermelon

| 200 g | 200 g |
| 200 g | 200 g |

[   ] g

29) How many right angles are there inside the shaded figure below?

1 cm

1 cm

[   ]

30) What is the total volume of water in the 3 containers below ?
(Give your answer in litres and millilitres.)

ml 1000

ml 500

ml 100
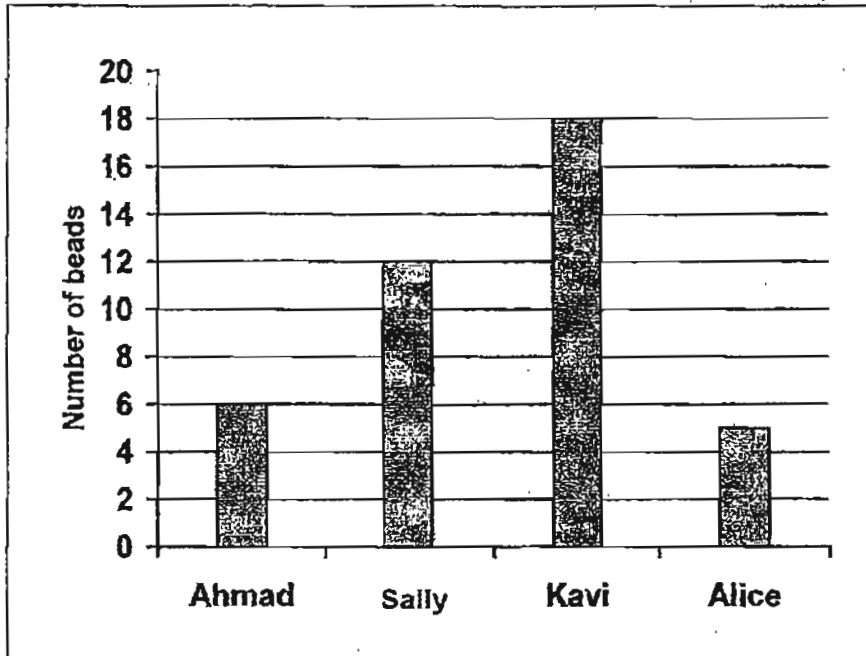
ℓ	$m\ell$

31) Write $\dfrac{6}{8}$ in its **simplest form**.

32) $\dfrac{1}{2} + \dfrac{3}{10} = \boxed{?}$ Give your answer in its **simplest form**.

33) Mrs Wong bought a pizza and cut it into 9 equal pieces. She gave $\dfrac{1}{3}$ of the pizza to her neighbour and 2 pieces to her husband. What fraction of the pizza was left?

The bar graph below shows the number of beads each child had.
Study the graph carefully and answer questions 34 to 36.

34)   Who had **twice** the number of beads as Ahmad ?

35)   How many **fewer** beads did Alice have than Sally ?

fewer beads

36)   How many beads must Kavi give Sally so that they have
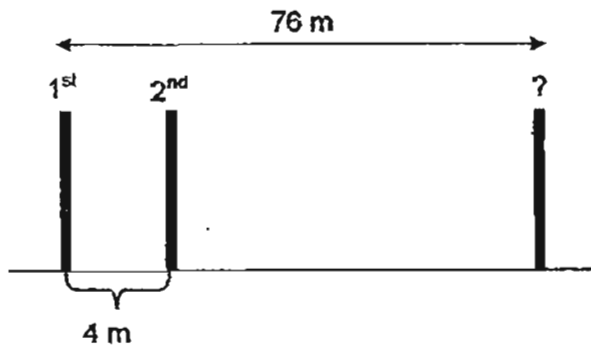the **same number** of beads ?

beads

37) Jane started doing her homework at 10.40 a.m. She completed it
     at 12.20 p.m. How long did she take to do her homework ?

$$\boxed{ \text{h} \text{min}}$$

38) Mr Tan took 3 h 30 min to drive from Town A to Town B.
     If he arrived at Town B at 1.30 p.m., at what time did he leave Town A ?

$$\boxed{} \text{a.m.}$$
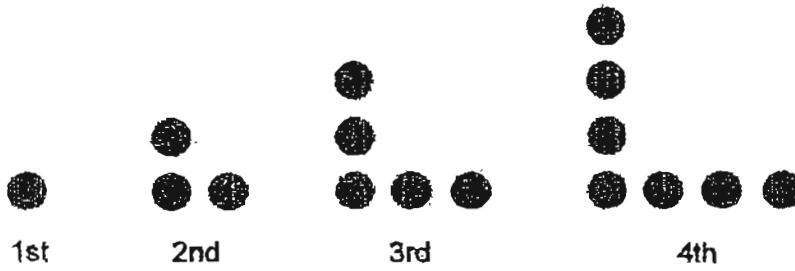
39) Mr Yeo erected some wooden poles on one side of the school field. The
     wooden poles were spaced at an equal interval of 4 m. If the total length of
     the school field is 76 m, how many poles did he use ?

$$\boxed{} \text{poles}$$

40) Study the pattern carefully.

1st 2nd 3rd 4th

How many dots are needed to form the 8th pattern ?

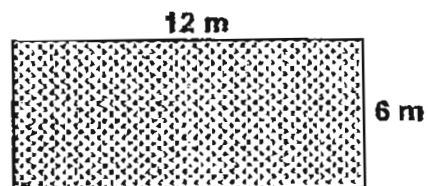| | dots

Answer all the questions.
All number statements, sentences and workings must be clearly shown.

41)   Mrs Loh sold a total of 800 coupons for the Cultural Fiesta on two days.
       She sold 350 more coupons on the first day than the second day.
       How many coupons did she sell on the first day?

42)   Lucy has 9 boxes of lollipops. There are 12 lollipops in each box.
       She repacks all the lollipops equally into 21 packets and has 3 lollipops left.
       How many lollipops are there in each packet ?

17

43) Mindy prepared some orange juice by mixing 500 mℓ of orange syrup with 2 500 mℓ of water. She then poured all the orange juice into some mugs. If each mug had a capacity of 400 mℓ what is the minimum number of mugs she would need ?

44) A rectangular garden is 12 m by 6 m.

a) Find the area of the garden.
b) Find the perimeter of the garden

12 m

6 m

45) At a school carnival, muffins are sold at $1.20 each. One muffin is given free for every 5 muffins bought. Mrs Tay paid $30 for some muffins. How many muffins did she get in total for $30?

Check your work carefully.

EXAM PAPER 2011

SCHOOL : NAN HUA
SUBJECT : PRIMARY 3 MATHEMATICS

TERM   : SA 2

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

Q18	Q19	Q20
1	2	1

21) 3950

22) 4085

23) 400 tarts

24) 336

25) 15 stamps

26) 21

27) 150

28) 325 g

29) 3

30) 1 L 320 ml

31) $\dfrac{3}{4}$

32) $\dfrac{4}{5}$

33) $\dfrac{4}{5}$

34) Sally

35) 7 fewer beads

36) 3 beads

37) 1h 490 min

38) 10 a.m.

39) 20 poles

40) 15 dots

Section C

41) $800 - 350 = 450$
$450 \div 2 = 225$
$225 + 350 = 757$

She sold 575 coupons on the first day.

42) $12 \times 9 = 108$
$108 - 3 = 105$
$105 \div 21 = 5$

There are 5 lollipops in each packet.

43) $2500 + 500 = 3000$
$3000 \div 400 = 7.5$
$7.5 \approx 8$

The minimum number of mugs is 8 .

44) a) $12 \times 6 = 72 \, m2$ (b) $12 + 12 + 6 + 6 = 36m$
The perimeter is 36m.

45) **She brought 30 muffins in all.**

No of muffins bought	Amount	No of free muffins	Check
5	$6.00	1	X
10	$12.00	2	X
15	$18.00	3	X
25	$30.00	5	√

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