



NAN HUA PRIMARY SCHOOL  
PRIMARY THREE SEMESTRAL ASSESSMENT 2 - 2010

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. Write your answers in this booklet.

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Marks Obtained

Section A & B	/ 80
Section C	/ 20
Total	/100

Name : \_\_\_\_\_ ( )

Class: P 3 \_\_\_\_\_

Date : 27 October 2010

Parent's Signature : \_\_\_\_\_

**Section A (20 × 2 marks)**

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

1) In 8 534, the digit '5' stands for \_\_\_\_\_.

- (1) 5 ones
- (2) 5 tens
- (3) 5 hundreds
- (4) 5 thousands

( )

2) Which of the following is the **greatest** odd number ?

- (1) 2 539
- (2) 6 293
- (3) 3 927
- (4) 9 352

( )

3) The difference between 2 numbers is 28.  
If the smaller number is 61, what is the other number ?

- (1) 89
- (2) 59
- (3) 33
- (4) 31

( )

4) Which of the following has the same value as  $5 \times 6$  ?

(1)  $5 + 5 + 5 + 5 + 5 + 5$

(2)  $5 \times 5 \times 5 \times 5 \times 5 \times 5$

(3)  $6 + 6 + 6 + 6 + 6 + 6$

(4)  $6 \times 6 \times 6 \times 6 \times 6$

( )

5) A number is divided by 7. The quotient is 13 and the remainder is 2. What is the number ?

(1) 27




(2) 33


(3) 89

(4) 93

( )

6)  +  = 43

 +  +  = 69

What is the value of  ?

(1) 13

(2) 17

(3) 26

(4) 52

( )

7) Mariam has 5 five-dollar notes and Yukesh has 50 two-dollar notes.  
How much more money does Yukesh have than Mariam ?

- (1) \$25
- (2) \$45
- (3) \$75
- (4) \$95

( )

8) Which of the following amount of money is the greatest ?

- (1) 7 fifty-cent coins
- (2) 10 twenty-cent coins
- (3) 15 ten-cent coins
- (4) 20 five-cent coins

( )

9) Which of the following is the shortest ?

- (1) 3m 90 cm
- (2) 309 cm
- (3) 3 009 m
- (4) 3 km 90 m

( )

10) A ribbon was 3 m 75 cm long. 24 cm of the ribbon was needed to tie a bow. How much ribbon was left if Mrs Lee used it to tie 5 bows ?

- (1) 120 cm
- (2) 255 cm
- (3) 346 cm
- (4) 351 cm

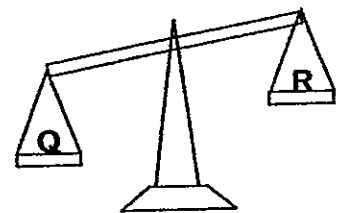
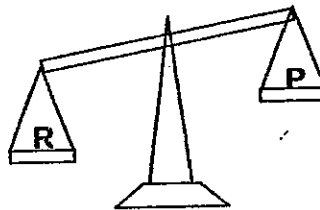
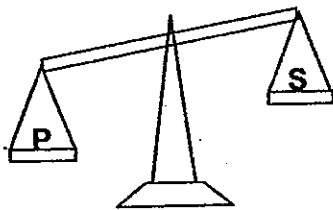
( )

11) The mass of a jackfruit is 4 kg 50 g. What is its mass in grams ?

- (1) 405 g
- (2) 450 g
- (3) 4 050 g
- (4) 4 500 g

( )

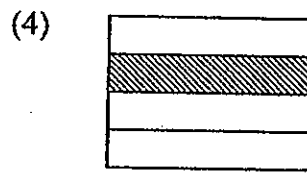
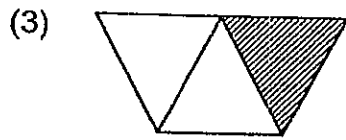
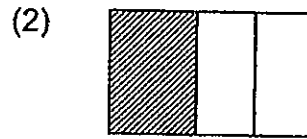
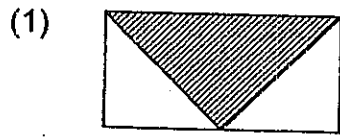
12) Which object is the heaviest ?



- (1) P
- (2) Q
- (3) R
- (4) S

( )

13) Which of the following shows  $\frac{1}{3}$  of the figure shaded ?



( )

14) Which of the following is correct ?

(1)  $\frac{1}{6} = \frac{3}{9}$

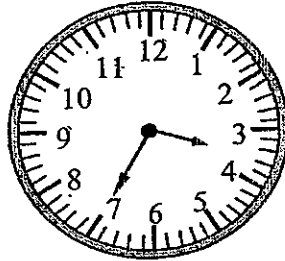
(2)  $\frac{3}{5} = \frac{6}{10}$

(3)  $\frac{2}{3} = \frac{6}{12}$

(4)  $\frac{3}{8} = \frac{4}{12}$

( )

15) What time does the clock below show ?



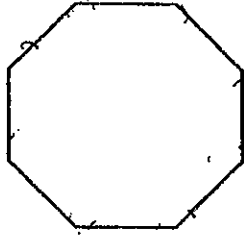
- (1) 25 minutes past 3
- (2) 25 minutes to 4
- (3) 35 minutes to 4
- (4) 35 minutes past 4

16) The table below shows the time taken by 4 boys to complete a race. Who is the fastest runner ?

	Name	Time taken
(1)	Alex	200 min.
(2)	Ben	126 min.
(3)	Chris	160 min.
(4)	David	96 min.

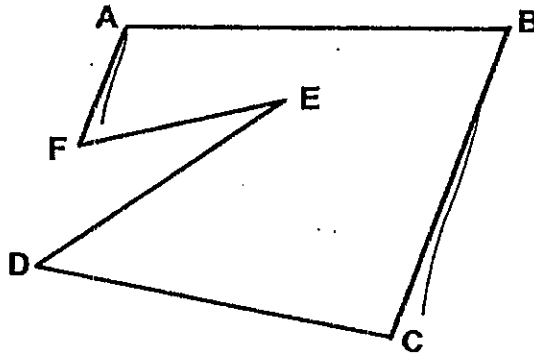
17) How many angles are there **inside** this figure ?

- (1) 16
- (2) 10
- (3) 8
- (4) 4



( )

18) Which of the following pairs of lines are parallel ?

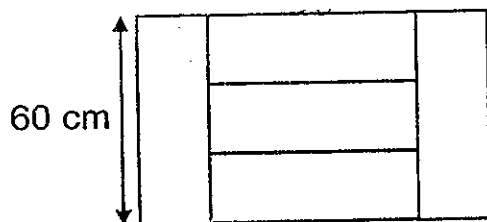


- (1) AF and BC
- (2) AB and FE
- (3) DE and CB
- (4) DC and FE

( )



19)



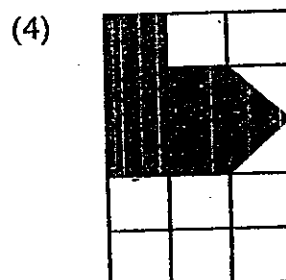
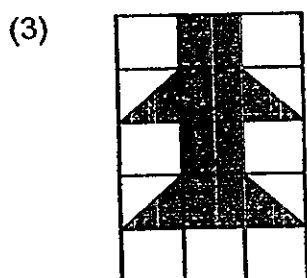
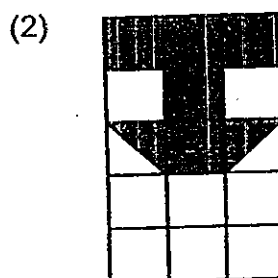
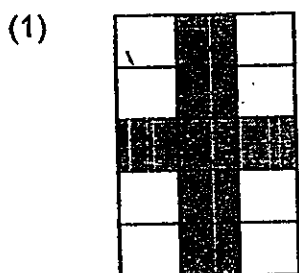
The figure above is made up of 5 identical rectangles.  
Find the perimeter of the figure.

- (1) 160 cm
- (2) 320 cm
- (3) 600 cm
- (4) 800 cm

20)



Which one of the figures below has the same area as the figure above ?



**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.



- 22) I am a **4-digit** number with the digits 2, 3, 7 and 8.  
I am the **smallest** possible number between 7 000 and 8 000.  
What number am I ?

- 23) Bala had 481 stickers. He gave away 200 stickers and  
threw away 63 torn stickers. How many stickers had he left ?

 stickers

24) What is the product of 4 and 8 ?

25) Lucy has 9 boxes of lollipops. There are 20 lollipops in each box. She repacks all the lollipops into packets of 6. How many packets of lollipops does Lucy have ?

 packets

26) Rahim was given the exact amount to buy 6 similar files. However, he only bought 4 files and had \$8 left. How much was he given at first ?

 \$

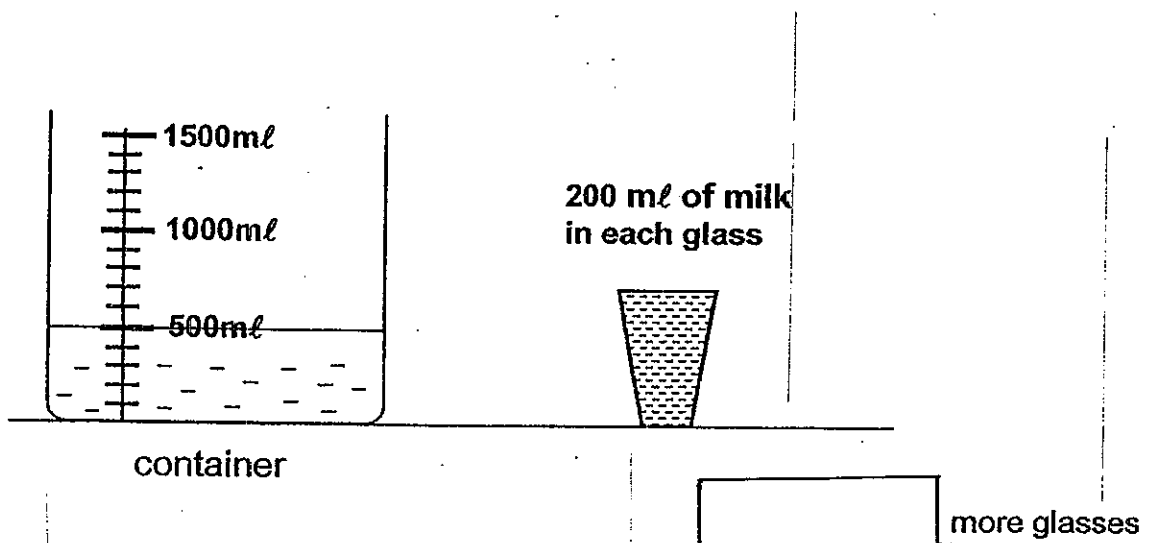
- 27) 40 pupils and 3 teachers went out for lunch that cost a total of \$200. Each pupil paid \$2. The remaining cost of the lunch was shared equally among the teachers. How much did each teacher pay?

\$

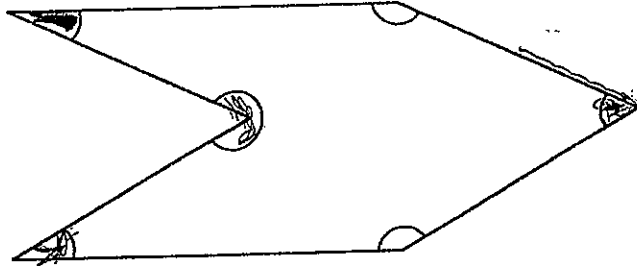
- 28) The total mass of Mingfa and Sufen is 82 kg. If Sufen is 6 kg lighter than Mingfa, what is Sufen's mass?

kg

- 29) Look at the diagram carefully. The container has 500 ml of milk. How many more glasses of milk are needed to fill the container to 1 500 ml ?



30) How many angles **inside** the figure shown below are smaller than a right angle?



31) Write  $\frac{9}{12}$  in its **simplest form**.

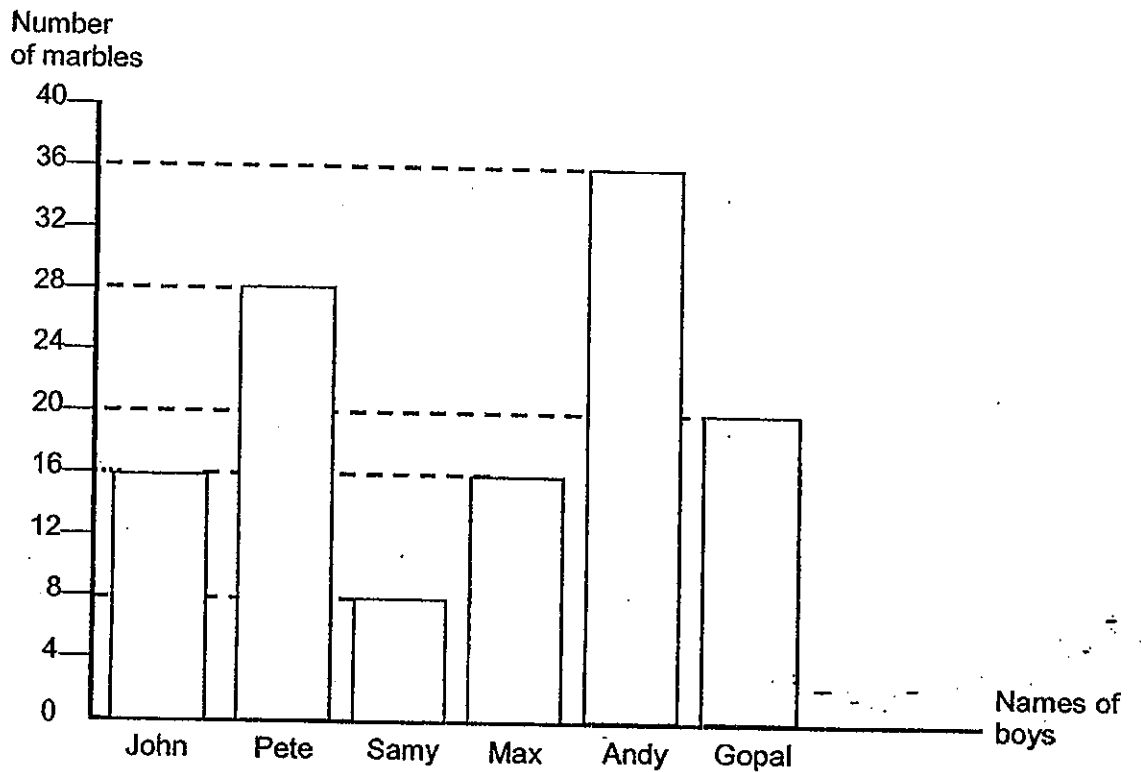
32) Arrange these fractions in **ascending order**.

$$\frac{2}{3}, \frac{3}{4}, \frac{1}{6}$$



33) A pizza was cut into 12 slices. Hassan ate 3 slices and Minah ate 2 slices. What **fraction** of the pizza was **not eaten**?

The graph below shows the number of marbles 6 boys had. Study the graph carefully and answer questions 34 to 36.



34) Who had the same number of marbles as Max ?

35) How many more marbles did Andy collect than Samy ?

 more marbles

36) How many marbles must Pete give Gopal so that they have the same number of marbles ?

 marbles

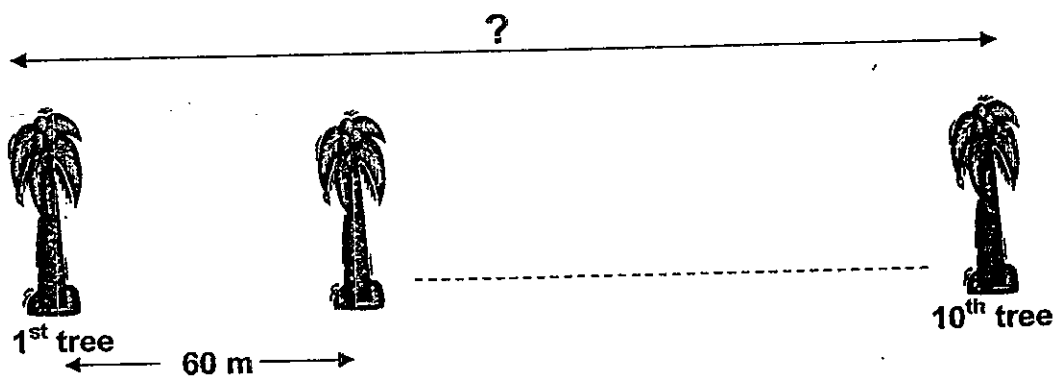
- 37) Meimei's music lesson started at 11.35 a.m. If the lesson ended at 12.15 p.m., how long was her music lesson ?

minutes

- 38) Sam took 1h 20 min to complete his homework. He finished his homework at 4 p.m. At what time did he start doing his homework ?




p.m.

- 39) There are 10 trees along a road. The distance between every two trees is 60 m. What is the distance between the 1<sup>st</sup> tree and the 10<sup>th</sup> tree ?



m

40) Study the pattern.

Pattern	Pattern	Number of triangles
1		1
2		4
3		9
	⋮	
7		?

How many triangles are there in Pattern 7 ?

triangles



**Section C ( 5 × 4 marks)**

**Answer all the questions.**

**All number statements, sentences and workings must be clearly shown.**

41) 4 680 people were at a football match. There were 2 800 men and the rest were women. How many **more** men than women were there ?

42) Bottle A has 340 ml of water. Bottle B has twice as much water as Bottle A and 150 ml of water more than Bottle C. How much water is there in Bottle C ?

- 43) A box contained 15 sweets. Alan, Bala and Carl together bought 5 boxes of sweets and got 3 sweets free. If they shared the sweets equally, how many sweets did each boy get ?

44) Mrs Lim bought 9 doughnuts and 2 cakes from a bakery shop.

(a) How much did Mrs Lim spend?

(b) How much money did Mrs Lim have at first if she had \$46 left ?



Doughnuts

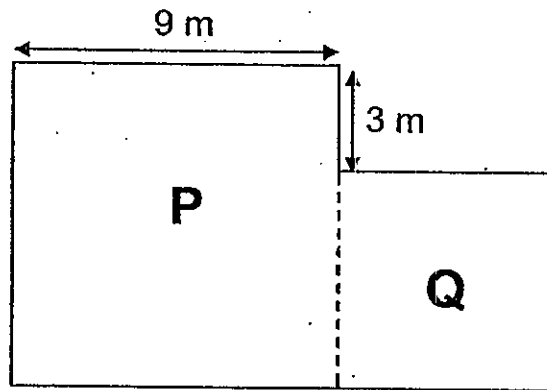
3 for \$4



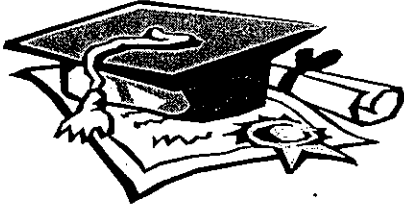
Cakes

\$32 each

- 45) Mr. Koon's farm is made up of two square plots of land, P and Q, as shown in the figure below.
- Find the area of Square Q.
  - If he wants to build a fence around his farm, how many metres of fence does he need?



*Check your work carefully.*

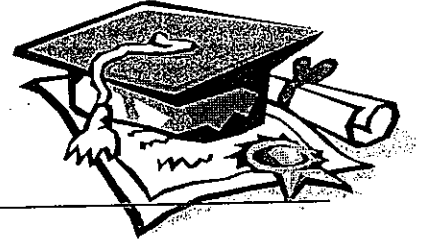


# ANSWER SHEET

**EXAM PAPER 2010**

**SCHOOL : NAN HUA PRIMARY**  
**SUBJECT : PRIMARY 3 MATHEMATICS**

**TERM : SEMESTRAL ASSESSMENT 2**



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

Q18	Q19	Q20
1	2	1

- Q21)1857      Q22)7238      Q23)218      Q24)32      Q25)30      Q26)\$24  
 Q27)\$40      Q28)38      Q29)5      Q30)3      Q31)3/4      Q32)1/6,2/3,3/4  
 Q33)7/12      Q34)John      Q35)28      Q36)4      Q37)40      Q38)2.40pm  
 Q39)540      Q40)49

Q41) $4680 - 2800 = 1880$ $2800 - 1880 = 920$ There were 920 more men than women.	Q42) $340\text{ml} \times 2 = 680\text{ml}$ $680\text{ml} - 150\text{ml} = 530\text{ml}$ There is 530ml of water in bottle C.
Q43) $15 \times 5 = 75$ $75 + 3 = 78$ $78 \div 3 = 26$ Each boy got 26 sweets.	Q44) $\$4 \times 3 = \$12$ $\$32 \times 2 = \$64$ $\$64 + \$12 = \$76$ (a) Mrs Lim spent \$76. $\$76 + \$46 = \$122$ (b) Mrs Lim had \$122 at first.
Q45) $9\text{m} - 3\text{m} = 6\text{m}$ $6\text{m} \times 6\text{m} = 36\text{m}^2$ (a) The area of the square is $36\text{m}^2$ . $9\text{m} + 9\text{m} + 9\text{m} + 6\text{m} + 6\text{m} + 6\text{m} + 3\text{m} = 48\text{m}$ (b) He needs 48m of fence.	

