NAN HUA PRIMARY SCHOOL
PRIMARY FOUR SEMESTRAL ASSESSMENT 2 - 2009
MATHEMATICS

Duration : 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.

Marks Obtained

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

Name : _____ ( )

Class : P 4 ____

Date : 27 October 2009 **Parent's Signature :** _____

Section A: Multiple Choice Questions (20 × 2 marks)

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. In which one of the following numbers does the digit '6' stand for 600?

   (1) 2 670
   (2) 6 812
   (3) 8 046
   (4) 9 265 ( )

2. 28 451 rounded off to the nearest hundred is _____.

   (1) 28 000
   (2) 28 400
   (3) 28 450
   (4) 28 500 ( )

3. Which of the following is a multiple of 9 ?

   (1) 6
   (2) 29
   (3) 3
   (4) 99 ( )

4. Mrs Lee used 250 ___ of flour to bake some muffins for her family of 4.

   (1) g
   (2) kg
   (3) mℓ
   (4) ℓ ( )

5. Which of the following is the largest fraction?

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

6. Find the value of $\frac{5}{12} - \frac{1}{4}$.

(1) $\frac{1}{6}$
(2) $\frac{2}{3}$
(3) $\frac{1}{3}$
(4) $\frac{1}{2}$

( )

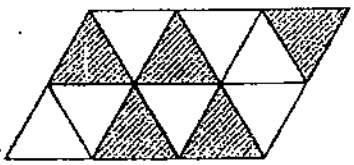
7. Write $5\frac{7}{20}$ as a decimal.

(1) 5.7
(2) 5.72
(3) 5.35
(4) 5.035

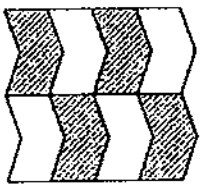
( )

8. Which of the following is **more than** $\frac{1}{2}$ shaded ?

(1)



(2)



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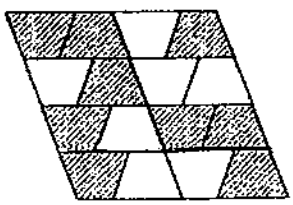
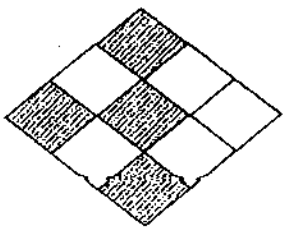


(4)



( )

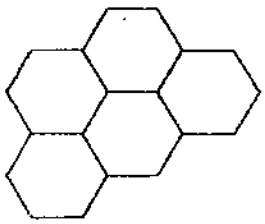
9. How many **quarters** are there in $3\frac{1}{2}$?

(1) 7
(2) 12
(3) 13
(4) 14 ( )

10. Express 1 002 cm in metres and centimetres.

(1) 1 m 2 cm
(2) 1 m 20 cm
(3) 10 m 2 cm
(4) 10 m 20 cm ( )

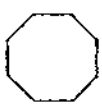
11. What is the unit shape for the tessellation shown below?



(1) 

(2) 

(3) 

(4) 

( )

12. Sally left home to watch a movie at 15 30. She took 1 h 45 minutes to reach the cinema. What time did she reach the cinema?

(1) 1.45 a.m.
(2) 5.15 a.m.
(3) 1.45 p.m.
(4) 5.15 p.m. ( )

13. Ahmad had only the following five coins in his pocket.

He took two coins from his pocket and saved them in his piggy bank. Which of the following amount could not be his savings ?

(1) 60¢
(2) 30¢
(3) 35¢
(4) 25¢ ( )

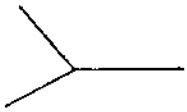
14. The perimeter of a square is 48 cm. Find its area.

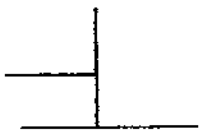
(1) 12 cm^2
(2) 24 cm^2
(3) 144 cm^2
(4) 192 cm^2 ( )

15. Meiling spent $\frac{5}{7}$ of her money on a box of poster colours and had \$2.80 left. What was the cost of the box of poster colours?

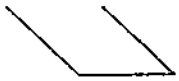
(1) \$2.00
(2) \$7.00
(3) \$9.80
(4) \$14.00 ( )

16. Which one of the following figures shows **both** parallel and perpendicular lines?

(1) 

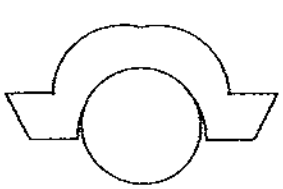
(2) 

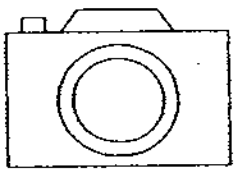
(3) 

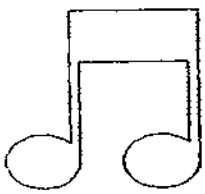
(4) 

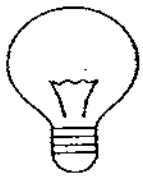
( )

17. Which of the following figures are symmetrical?


A


B


C


D

(1) A and B only
(2) A and D only
(3) A, C and D only
(4) A, B, C and D

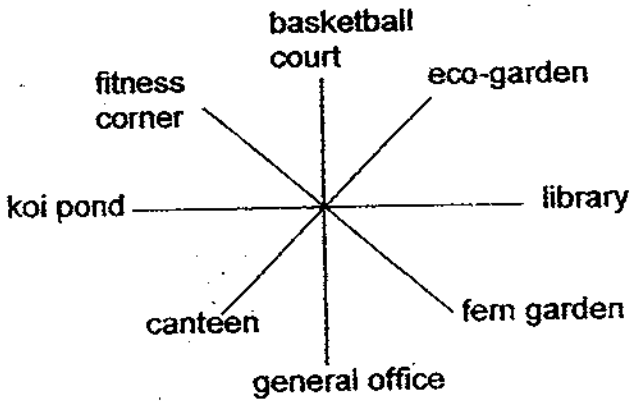
( )

18. A piece of wire 3 m long is cut into 2 pieces. One of the pieces is used to form a square of side 40 cm. The other piece is used to form another square. How long is the side of the 2nd square?

(1) 35 cm
(2) 65 cm
(3) 140 cm
(4) 260 cm

( )

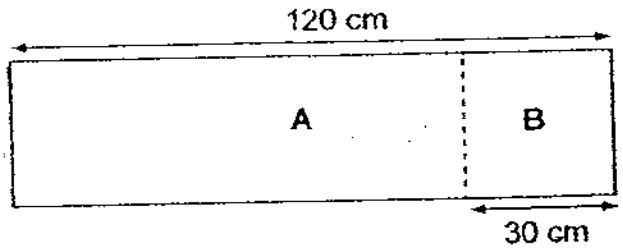
19. Suzanna is facing the fitness corner. She makes a $\frac{3}{4}$-turn in an anti-clockwise direction. She is now facing the _____.



(1) canteen
(2) library
(3) eco-garden
(4) general office

( )

20.



The figure above is made up of rectangle A and square B.
Find the perimeter of the figure.

(1) 330 cm
(2) 300 cm
(3) 240 cm
(4) 150 cm

( )

Section B: Open-ended Questions (20 × 2 marks)
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. Write fifteen thousand and five in figures.

22. Find the **product of** 45 and 6.

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

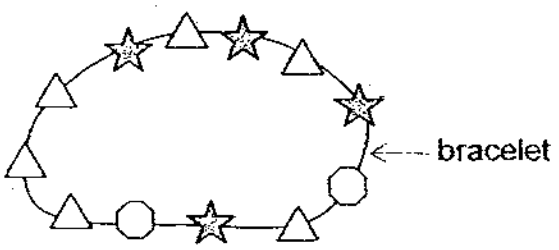
$\frac{3}{4}$, $\frac{3}{8}$, $\frac{7}{8}$

_____, _____, _____

smallest

24. Write $\frac{39}{9}$ as a mixed number in its simplest form.

25. What fraction of the shapes on the bracelet are ☆ ?
Express your answer in the simplest form.

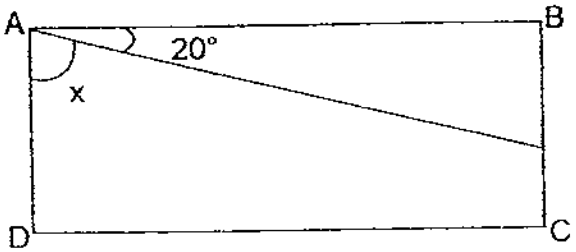


26. Round off 88.52 to the nearest whole number.

27. 5.07 ÷ 2 = _____

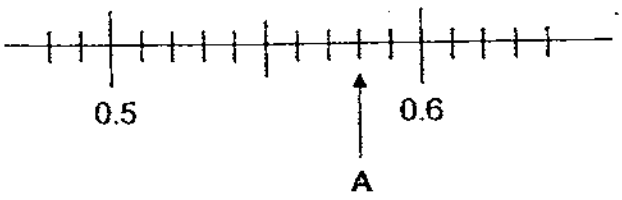
28. Find the value of 8.69 × 4.

29. In the figure below, not drawn to scale, ABCD is a rectangle.
Find the value of ∠x.

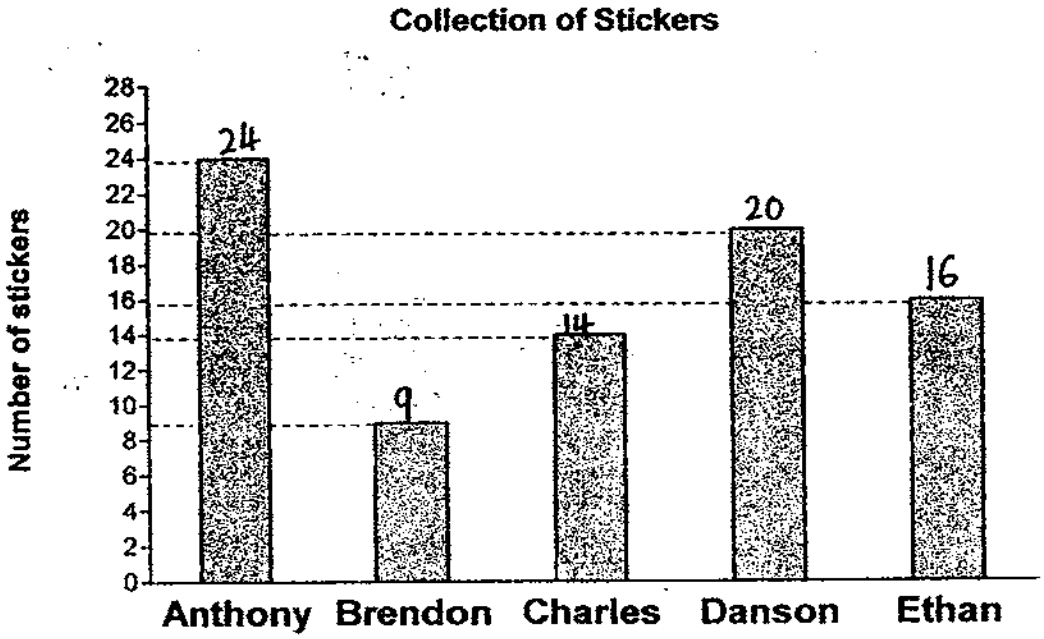


°

30. Write the decimal represented by **A**.



The graph below shows the number of stickers that five children have.
Study the graph below carefully and use it to answer questions 31 and 32.



31. How many more stickers does Anthony have than Brendon?

[ ] more

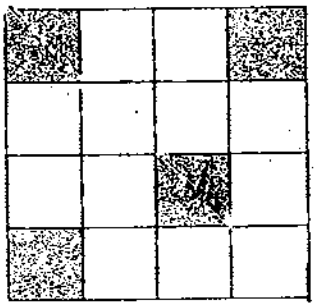
32. How many stickers must Danson give to Charles so that they will have the same number of stickers?

[ ] stickers

33. Cupcakes are sold in boxes of 8. Each box cost $4. If Peter has $26, find the **maximum** number of cupcakes he can buy.

[ ] cupcakes

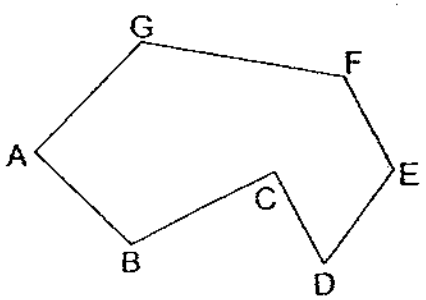
34. Draw a line of symmetry for the following shape.



35. Meili's dance class starts at 7.30 p.m.. The journey from her house to the dance studio takes 35 min. ~~When should Meili leave her house for her dance class?~~ Express your answer in 24-hour clock. 6.55 p.m. What is the latest time Meili should leave her house so that she can be at the studio punctually?

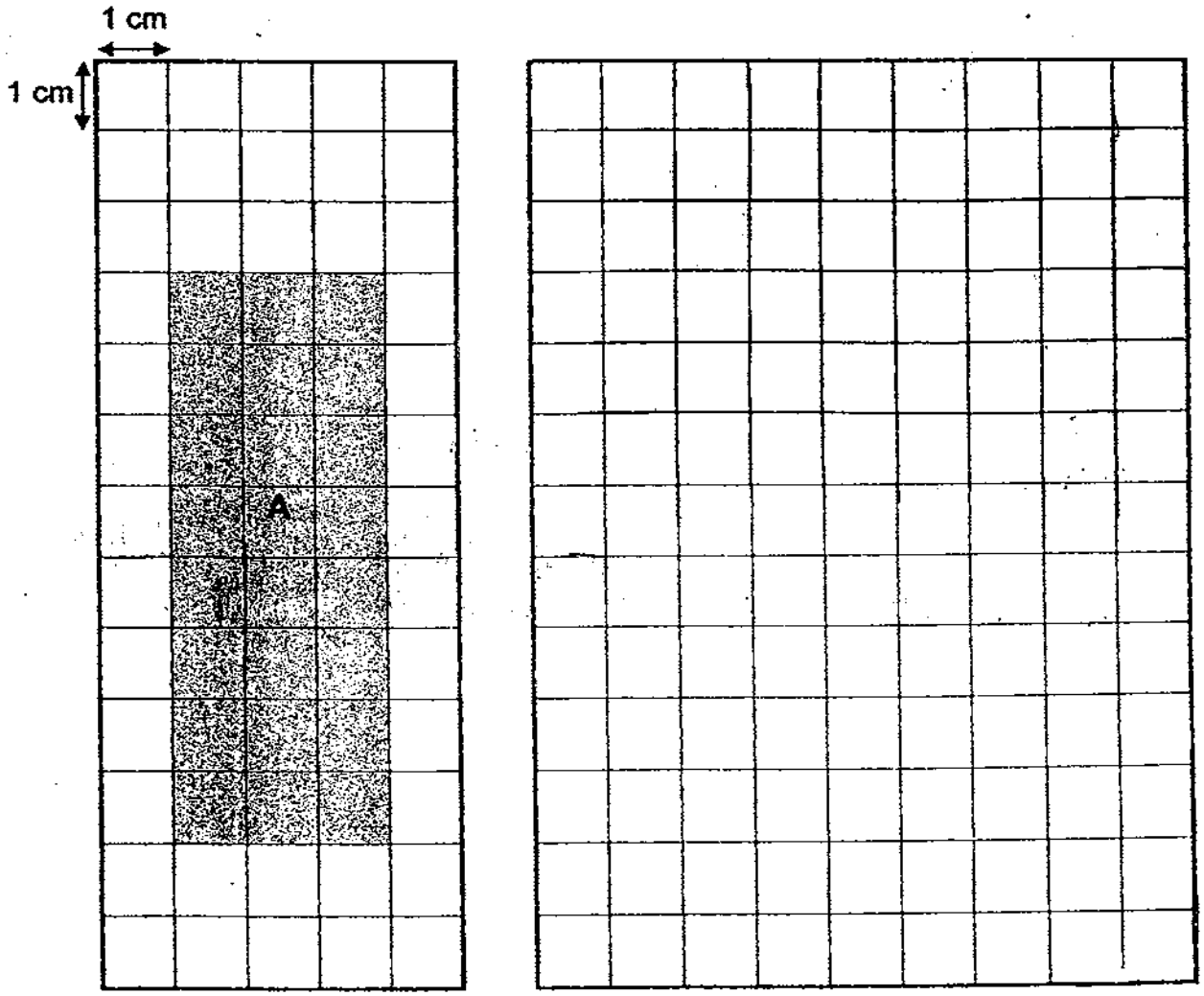
[ ]

36. There is only one pair of parallel lines in the figure. Name them.



[//]

37. Using the grid on the right, draw a rectangle which has the same area as Rectangle **A** .
(Note: Both rectangles should not have the same length and breadth.)



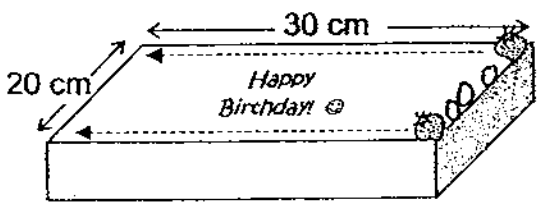
38. Abel has 234 marbles. Benedict has 48 more marbles than Abel.
How many marbles do they have altogether ?

[ ] marbles

39. The area of a square garden is 81 m².
The cost of fencing the garden is $10 per metre.
How much does it cost to fence around the garden?

$ [ ]

40. Mrs Toh wants to arrange some strawberries on the top face of a rectangular cake. The strawberries are to be placed 5 cm apart from one another, starting from the right-hand corners of the cake as shown below.
How many strawberries does Mrs Toh need if she decorates only on the **two lengths** of the cake?



[ ] strawberries

Section C (5 × 4 marks)

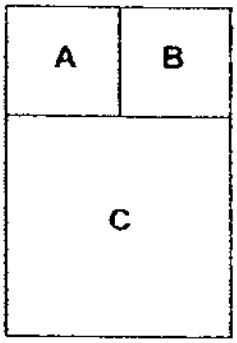
For each of the following questions, show your workings and mathematical statements in the space below each question. Write your answer in the answer space provided.

41. Kumar had 346 stamps. He put 6 stamps each in 48 envelopes and gave the rest away. How many stamps did he give away ?

42. Jenny spent $\frac{3}{8}$ of her money on a pencil case and $24 on a set of toys. After that, she had $36 left. How much money did she have at first ?

43. Mr Muthu baked an equal number of durian puffs and custard puffs. After selling 419 durian puffs and 357 custard puffs, the number of custard puffs left was thrice the number of durian puffs left. How many puffs did Mr Muthu bake altogether?

44. The figure consists of 3 squares, A, B and C. Square A is as big as Square B. The perimeter of Square C is 48 cm. What is the area of the whole figure?



45. In a farm, there are some goats and ducks.
There are 188 legs and 60 heads in all.

(a) How many ducks are there?
(b) How many more goats than ducks are there ?

---------- End of Paper ----------

Answer Ke

EXAM PAPER 2009

SCHOOL : NAN HUA PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

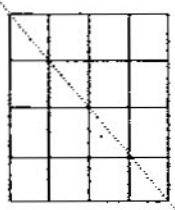
TERM : SA2

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

Q18	Q19	Q20
1	3	2

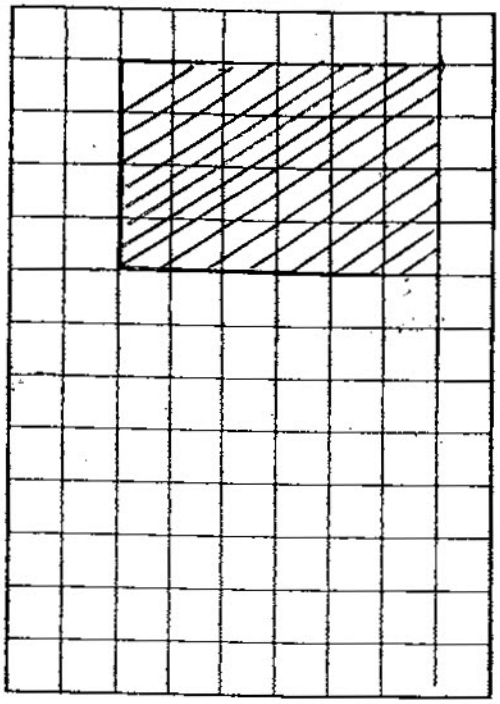
21)15005 **22)270** **23)3/8, ¾ , 7/8** **24)$4\frac{1}{3}$** **25)1/3**

26)89 **27)7.07** **28)34.76** **29)70°** **30)0.58**

31)15 **32)3** **33)48** **34)**  **35)1855**

36)FE//CD

37)



38)516 39)$360 40)14

41)48x6=288
346-288=58
He give away 58 stamps.

42)$24+$36=$60
$60÷5=$12
$12x8=$96
She had $96 at first.

43)419-357=62
62÷2=31
31x4=124
419+357=776
776+124=900
He baked 900 puffs altogether.

44)48÷4=12
12x12=144
12÷2=6
6x6=36
36x2=72
144+72=216
The are is 216cm.

45)a)60x2=120
188-120=68
4-2=2
68÷2=34
60-34=26
There are 26 ducks.
b)34-26=8
There are 8 more goats than ducks.