NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2008
PRIMARY 4

MATHEMATICS

Duration : 1 h 45 min

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the 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.

Marks Obtained

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

Name: _____ ( )

Class: Pr 4_____

Date: 6 May 2008

Parent's Signature: _____

SECTION A (20 x 2 marks)

Questions 1 to 20 carry 2 marks each.

Of the four options are given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and shade the corresponding oval in the Optical Answer Sheet. (OAS)

1. 10 thousands 7 ones is the same as _____.

   (1) 107

   (2) 1007

   (3) 10 007

   (4) 100 007

2. Complete the number pattern: 9 856, 9 956, _____, 10 156, 10 256.

   (1) 9 056

   (2) 10 056

   (3) 11 056

   (4) 90 056

3. The common multiple of 6 and 9 is _____.

   (1) 27

   (2) 2

   (3) 3

   (4) 18

4. 46 749 when rounded off to the nearest 100 is _____.

(1) 46 000

(2) 46 700

(3) 46 800

(4) 47 000

5. The sum of two numbers is 5 760. One of the numbers is 650 more than the other. What is the larger number?

(1) 2 555

(2) 3 205

(3) 5 110

(4) 6 410

6. Jane has five $50 notes and four $20 notes. She wants to buy a watch and a pen which cost $450 altogether. How much more money does she need?

(1) $120

(2) $330

(3) $380

(4) $520

7. How many $\frac{1}{7}$'s are there in $3\frac{5}{7}$?

(1) 1

(2) 5

(3) 21

(4) 26

8. Yao Dong ate $\frac{1}{4}$ of a cake. His friend ate $\frac{3}{8}$ of the same cake. What fraction of the cake did they eat **altogether**?

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

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

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

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

9. The value of $6 - \frac{1}{2} - \frac{3}{8}$ is _____.

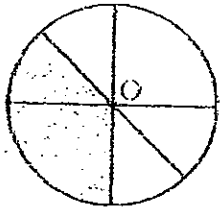
(1) $5\frac{1}{8}$

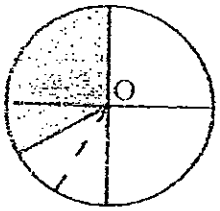
(2) $5\frac{7}{8}$

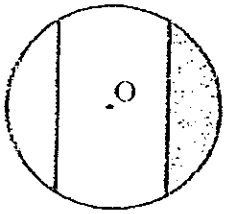
(3) $5\frac{1}{2}$

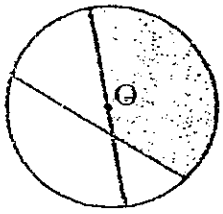
(4) $5\frac{3}{4}$

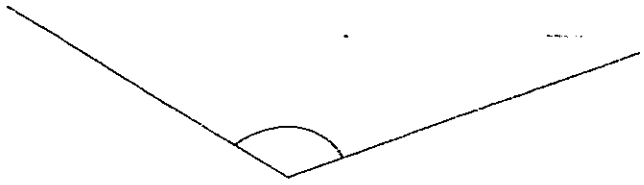
10. O is the centre of each of the following circles. Peter would like to show that $\frac{1}{3}$ of a circle is shaded. Which one of the figures below should he draw?

(1) 

(2) 

(3) 

(4) 

11. 

Which one of the following is the best **estimate** of the angle above?

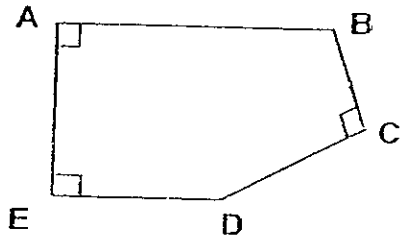
(1) 45°

(2) 90°

(3) 120°

(4) 250°

12.



in the figure above line AB is parallel to line _____.

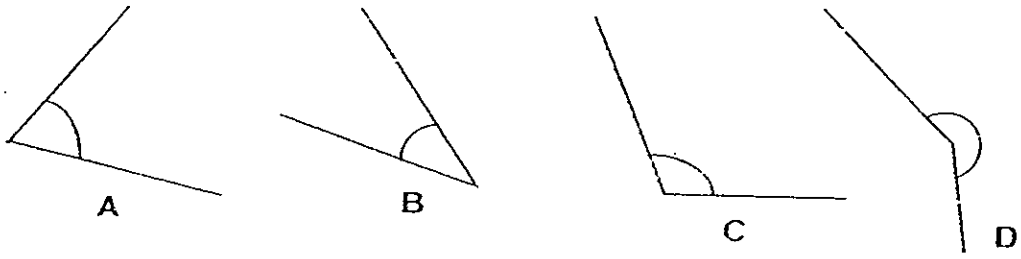
(1) AE

(2) BC

(3) CD

(4) DE

13. Which one of the angles below is larger than 2 right angles?



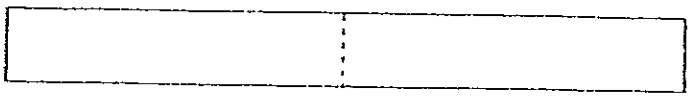
(1) A

(2) B

(3) C

(4) D

14. It takes Sam 4 seconds to cut a strip of paper into two equal pieces as shown. How long would it take for him to cut a similar strip of paper into 8 pieces?



(1) 24 seconds

(2) 28 seconds

(3) 32 seconds

(4) 36 seconds

15 A glass is $\frac{2}{3}$ full of orange juice. When another 50 ml of orange juice is added, it becomes $\frac{8}{9}$ full. How much orange juice can the glass hold when it is completely full?

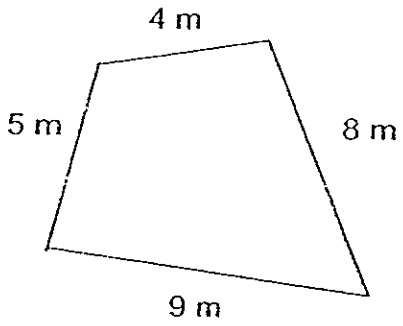
(1) 25 ml

(2) 100 ml

(3) 200 ml

(4) 225 ml

16. The four-sided figure below represents a playground. Poh Wah jogged round it three times. How far did he jog?



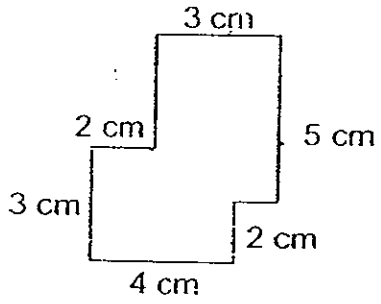
(1) 26 m

(2) 52 m

(3) 68 m

(4) 76 m

17. Ahmad bent a piece of wire to form the shape below. How long is the wire? (The figure is not drawn to scale.)



(1) 19 cm

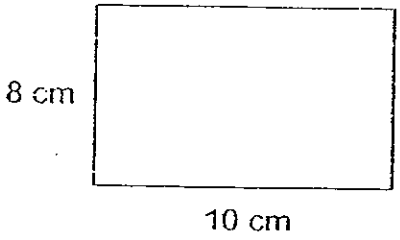
(2) 23 cm

(3) 24 cm

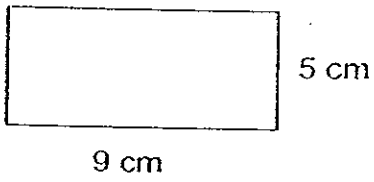
(4) 34 cm

18. Which one of the figures below has an area of 36 cm^2 ?
(The figures are not drawn to scale)

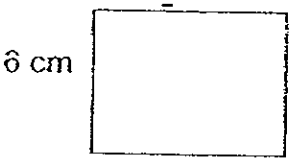
(1)



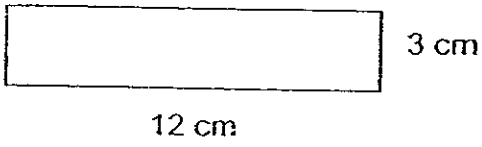
(2)



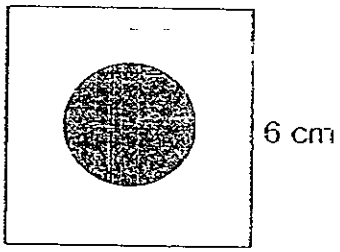
(3)



(4)



19.



In the figure above, the area of the shaded circle is $\frac{1}{4}$ of the area of the square.
What is the area of the circle?

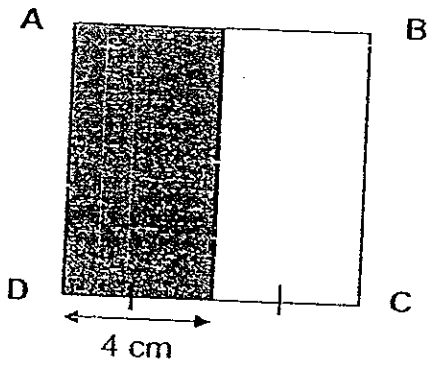
(1) 36 cm^2

(2) 27 cm^2

(3) 3 cm^2

(4) 9 cm^2

20.



In the figure above, ABCD is a square.
The shaded area is _____.

(1) 4 cm^2

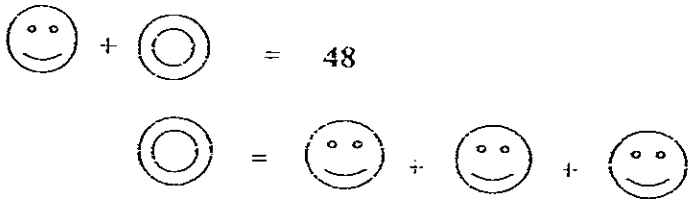
(2) 16 cm^2

(3) 32 cm^2

(4) 64 cm^2

SECTION B (20 x 2 marks)

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

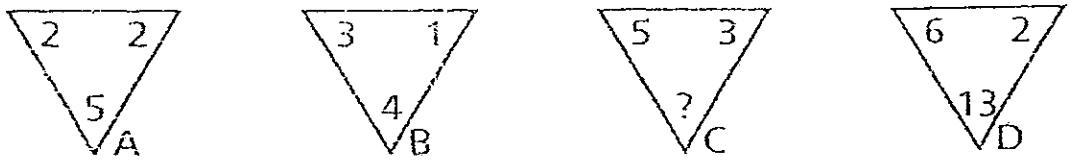
21. 

What do  and  represent?

Answer:  = _____

 = _____

22. Study the pattern given below. Find the missing number in Triangle C.



Answer: _____

23. When a number is divided by 5, the quotient is 324 and the remainder is 3. What is the number?

Answer: _____

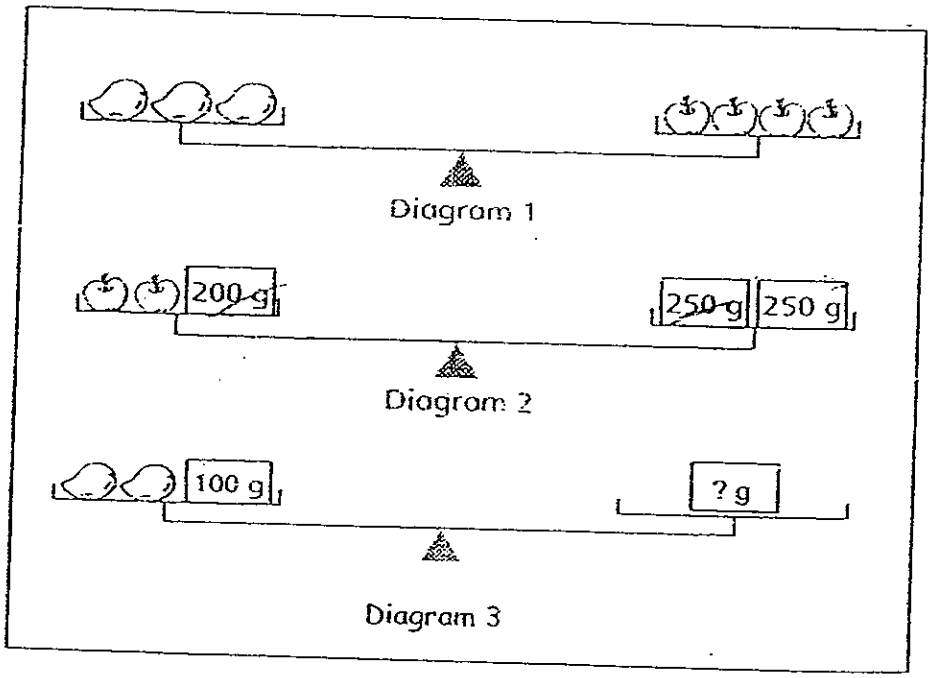
24. Find the numbers represented by A and B.

$$\begin{array}{rrr} & 3 & 4 & A \\ + & & 9 & 9 \\ \hline & B & B & 5 \end{array}$$

Answer: A = _____

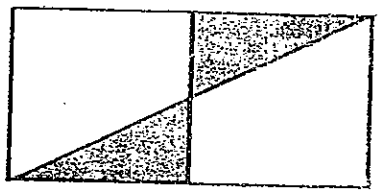
B = _____

25. Find the mass required to balance the scale below.



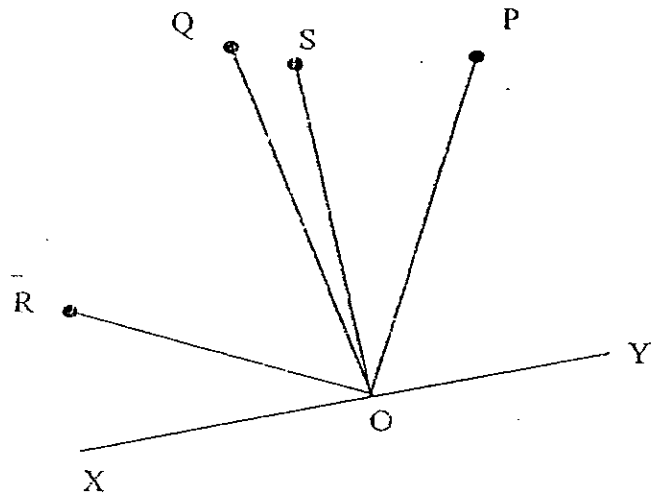
Answer: _____ g

26. The figure below is made up of two **identical** squares. What fraction of the figure is shaded?



Answer: _____

27. XY is a straight line. Which one of the following **lines** will form a perpendicular angle with line OR?

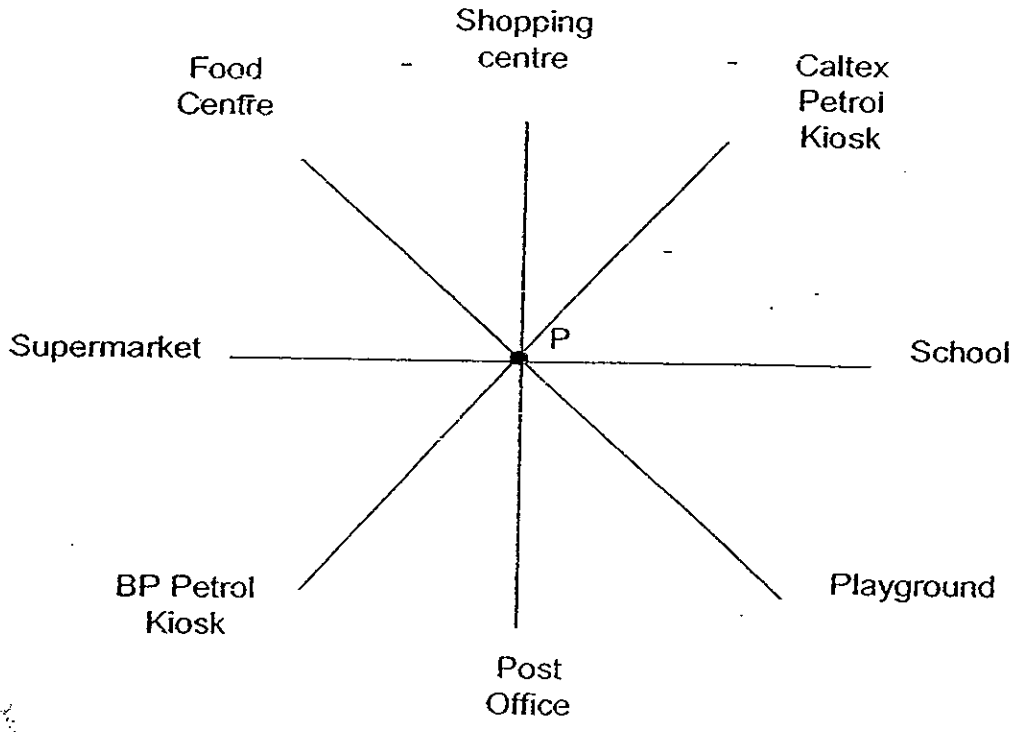


Answer: _____

28. $\frac{3}{8} + \frac{1}{4} + \frac{1}{2} = \boxed{?}$ (Give your answer as a **mixed number**.)

Answer: _____

29. Andy is standing at the point marked P as shown in the diagram below. He is facing the Supermarket. He turns 270° **anti-clockwise**. Which place will he face?



Answer: _____

30. Arrange the fractions below in **ascending** order.

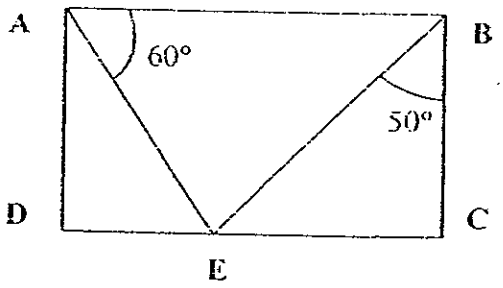
$$\frac{7}{12},\quad \frac{1}{3},\quad \frac{3}{4}$$

Answer: _____, _____, _____

31. $3\frac{1}{3} = \frac{\square}{9}$. What is the missing numerator in the box?

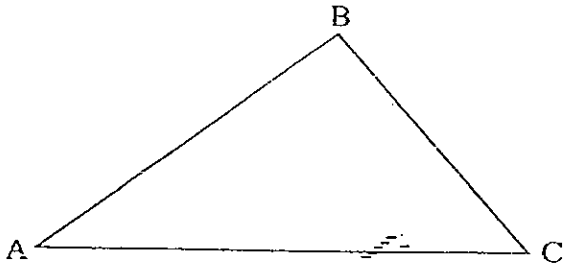
Answer: _____

32. ABCD is a rectangle. Find ∠DAE.



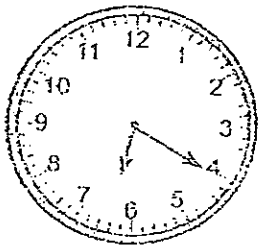
Answer: _____°

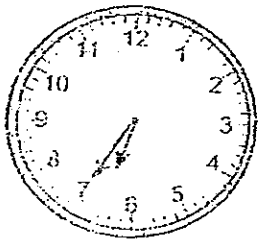
33. Using a protractor, measure ∠ACB.



Answer: ∠ACB=_____°

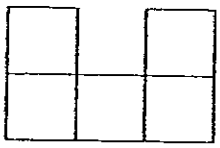
34. When the minute hand of a clock moves from 6.20 p.m. to 6.35 p.m., it has moved _____ degrees.





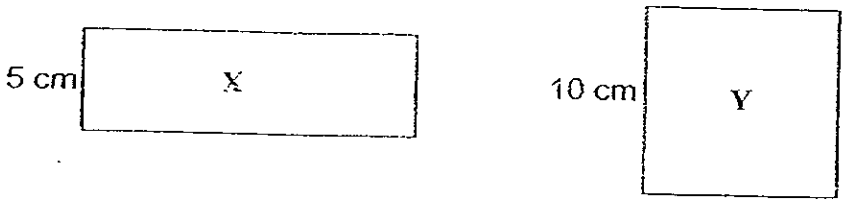
Answer: _____

35. The figure below, not drawn to scale, is made up of 5 identical squares. The perimeter of the figure is 36 cm. What is the length of each side of the square?



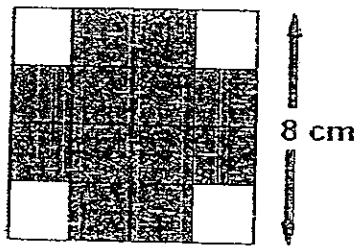
Answer: _____cm

36. X is a rectangle and Y is a square. They have the same perimeter. What is the area of rectangle X? (Figures are not drawn to scale.)



Answer: _____ cm^2

37. Joo Ann cut off 4 squares from the edge of a square piece of cardboard. The area of each small square that he cut off was 4 cm^2. Find the area of the remaining cardboard.

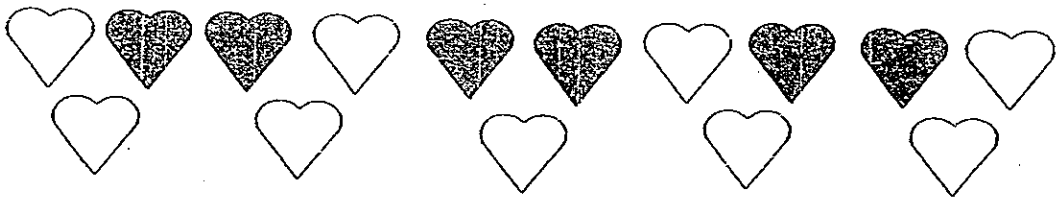


Answer: _____ cm^2

38. The area of a rectangle is 152 cm^2. The breadth of the rectangle is 8 cm. Find its length.

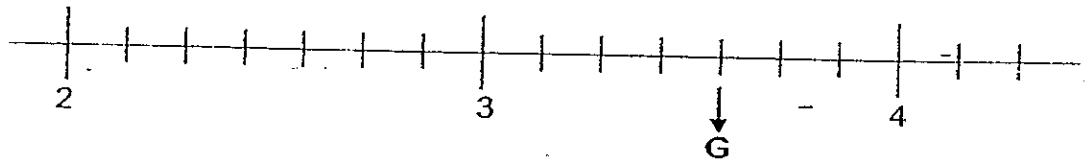
Answer: _____ cm

39. What fraction of the set below is shaded?
Write your answer in the simplest form.



Answer: _____

40. What value does the letter 'G' represent on the number line?



Answer: _____

Section C (5 x 4 marks)

Do the following sums carefully. All statements and workings must be clearly shown. All units must also be stated clearly.

41.

Day	Women	Men
Saturday	564	757
Sunday	676	712

The table shows the number of people who went to the cinema on Saturday and Sunday.

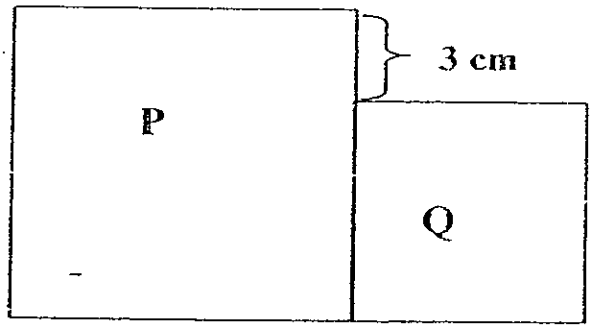
(a) How many people went to the cinema on Saturday and Sunday?

(b) The cost of each cinema ticket was $7. How much was collected from the sale of tickets to the men on both days?

Answer : (a)_____

(b)_____

42. The figure below is made up of two squares, P and Q.
The perimeter of square P is 48cm.
What is the area of the whole figure?
(The figures are not drawn to scale.)



Answer: _____

43. $\frac{5}{12}$ of the audience in a concert are women, $\frac{1}{4}$ are children and the rest are men.
There are 368 men at the concert.
How many women are there at the concert?

Answer : _____

44. The lengths of two rectangles are 7 m and 11 m respectively. The total area of the two rectangles is 94 m^2. Find the difference in their areas.

Answer: _____

45. There were 90 apples in two baskets.
15 apples were transferred from basket A into basket B.
18 apples from basket B were then transferred into basket A.
Now basket A has twice the number of apples in basket B.
How many apples were there in each basket at first?

Answer : A = _____

B = _____

= _____

End of Paper

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : NAN HUA PRIMARY SCHOOL
SUBJECT : PRIMARY 4 MATHEMTICS

TERM : SA 1

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

Q18	Q19	Q20
4	4	3

21)12, 36 22)16 23)1623 24)A:6 B:4 25)500g

26) ¼ 27)P0 28)1 1/8 29)shopping centre

30) 1, 7, 3
3 12 4 31)30 32)30° 33)50 34)90°

35)3cm 36)75cm^2 37)48cm^2 38)19cm 39)$\frac{2}{5}$ 40)$3\frac{4}{7}$

41)a)757+564=1321
676+712=1388
1388+1321=2709
2709 people went to the cinema on Saturday and Sunday.

b)757+712=1469
1469x$7=$10283
$10283 were collected from men on both days.

42)Length of P =48cm-4=12cm
Length of Q =12cm-3cm=9cm
9cm+12cm=21cm
21cmx12cm=252cm_2
3cmx9cm=27cm_2
252cm_2-27cm_2=225cm_2
The are of the whole figure is 225cm_2

43)1/12 =368÷4=92
Women=92x5=460
There were 460 women at the concert.

44)7mx4m=28m_2
94m_2-28m_2=66m_2
66m_2-28m_2=38m_2
Their difference is 38m_2

45)90÷3=30
Basket B=30-15=15
15+18=33
There were 33 apples in basket B at first.
Basket A=30x2=60
60-18=42
42+15=57
There were 57 apples in basket A at first.