NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2011
PRIMARY 4
MATHEMATICS

INSTRUCTION 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 for Questions 1 - 20.

Marks Obtained

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

Name : _____ ( )

Class : Pr 4 _____

Date : 11 May 2011

Duration: 1 h 45 min

Parent's Signature : _____

Section A (20 x 2 marks)

Questions 1 to 20 carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval on the optical answer sheet (OAS). [40marks]

1. 3 242 when rounded off to the nearest hundred is _____.

   (1) 3 000

   (2) 3 200

   (3) 3 240

   (4) 3 300

2. In which of the following numbers is the digit '6' in the **ten thousands** place?

   (1) 12 364

   (2) 26 134

   (3) 34 612

   (4) 61 324

3. The sum of all the factors of 9 is _____.

   (1) 16

   (2) 13

   (3) 12

   (4) 6

4. The first 2 common multiples of 3 and 4 are _____.

   (1) 12 and 24

   (2) 10 and 18

   (3) 9 and 16

   (4) 6 and 8

5. 23 thousands + 9 hundreds + 54 tens = _____

(1) 23 990

(2) 23 954

(3) 24 440

(4) 32 540

6. Siti bought a laptop and a television set for $4 800. The difference between the cost of the two items was $1 800. If the laptop cost more, how much did the television set cost ?

(1) $1 200

(2) $1 500

(3) $3 000

(4) $3 300

7. Which of the following fractions below has the **smallest** value ?

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

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

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

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

8. $\frac{11}{12} = \frac{1}{6} + \frac{\boxed{?}}{6} + \frac{1}{12}$

What is the missing number in the box ?

(1) 9

(2) 8

(3) 7

(4) 4

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

(1) 12

(2) 10

(3) 8

(4) 5

10. David had some marbles. He gave 2 marbles to his brother and had 16 marbles left. What fraction of the total marbles did he give away?

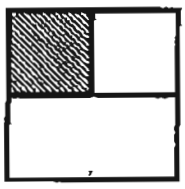
(1) $\frac{1}{8}$

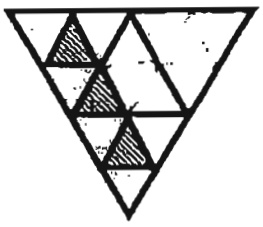
(2) $\frac{1}{9}$

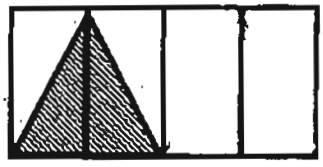
(3) $\frac{7}{8}$

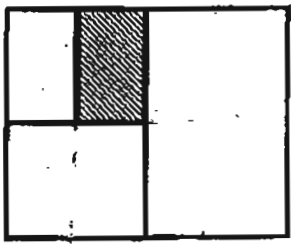
(4) $\frac{7}{9}$

11. Which figure shows $\frac{1}{8}$ shaded ?

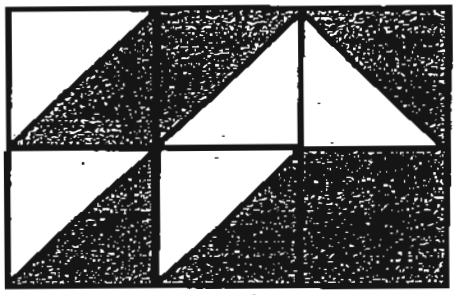
(1) 

(2) 

(3) 

(4) 

12. The figure below is made up of identical squares.



What fraction of the figure is shaded?

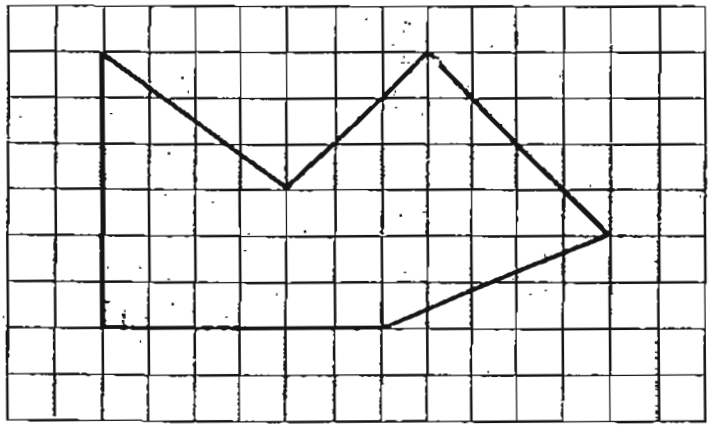
(1) $\frac{5}{12}$

(2) $\frac{7}{12}$

(3) $\frac{5}{11}$

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

13. How many <u>right angles</u> are there **inside** the figure below ?



(1) 1

(2) 2

(3) 3

(4) 4

14. How many **pairs** of parallel lines are there in Figure A?

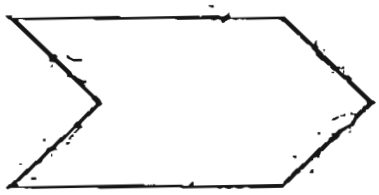


Figure A

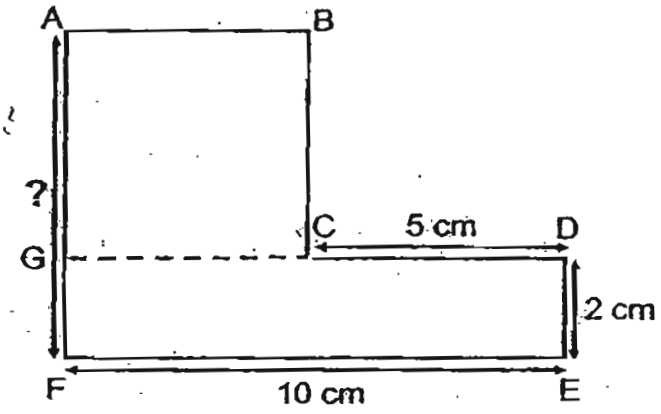
(1) 1

(2) 2

(3) 3

(4) 4

15. The figure below is made up of a square and a rectangle. Find the length of AF. (The diagram is not drawn to scale.)



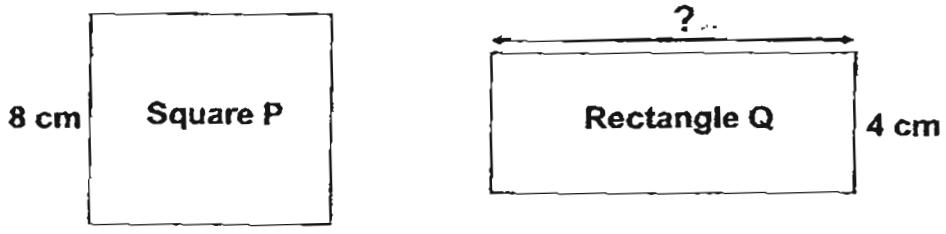
(1) 5 cm

(2) 7 cm

(3) 8 cm

(4) 10 cm

16. Square P and Rectangle Q have the same perimeter. What is the length of Rectangle Q ? [The figures are not drawn to scale.]



(1) 32 cm

(2) 28 cm

(3) 24 cm

(4) 12 cm

17. The length of rectangle ABCD is thrice as long as its breadth, what is the area of the rectangle ?

(1) 48 cm^2

(2) 32 cm^2

(3) 16 cm^2

(4) 12 cm^2

18. The perimeter of a rectangle is 100 cm. The length of the rectangle is 30 cm. The breadth of the rectangle is _____ cm **shorter** than its length.

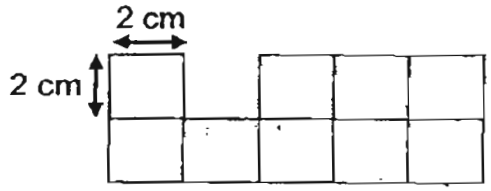
(1) 10 cm

(2) 20 cm

(3) 40 cm

(4) 70 cm

19. The figure below is made up of identical squares. What is the area of the figure?



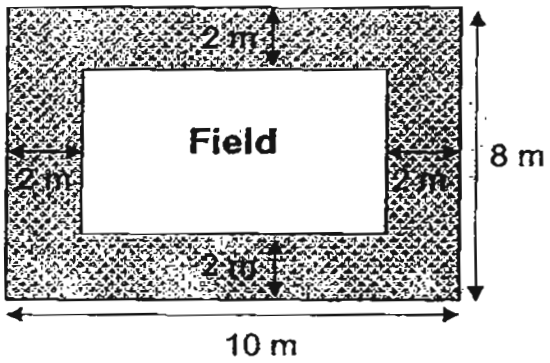
(1) $36\ cm^2$

(2) $18\ cm^2$

(3) $9\ cm^2$

(4) $4\ cm^2$

20. A rectangular field has a length of 10 m and a breadth of 8 m. After a 2 m pavement was built around the field, the area of the field became smaller. What is the area of the field that is **not** covered by the pavement?



(1) $16\ m^2$

(2) $24\ m^2$

(3) $64\ m^2$

(4) $80\ m^2$

Section B (20 x 2 marks)

Questions 21 to 40 carry 2 marks each. Write your answers in the spaces provided. Show your workings clearly and write the answers in the units provided.

21. Write 45 890 in words.

22. Divide 5 649 by 7.

Answer: _____

23. Form the greatest 4-digit **odd** number with the digits 5, 2, 3, 8. Each digit can be used only once.

Answer: _____

24. Express $2\frac{5}{7}$ as an improper fraction.

Answer: _____

25. Max ate $\frac{3}{10}$ of a cake while his brother ate $\frac{2}{5}$ of it. What fraction of the cake was uneaten ? Leave your answer in its simplest form.

Answer: _____

26. If Kate makes $\frac{3}{4}$ of a complete turn, how many degrees did she make ?

Answer: _____°

27. Complete the number pattern.

401, 408, 422, _____, 471, 506

Answer: _____

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

$\frac{2}{3}$, $\frac{1}{6}$, $\frac{7}{12}$

Answer: _____ , _____ , _____
smallest

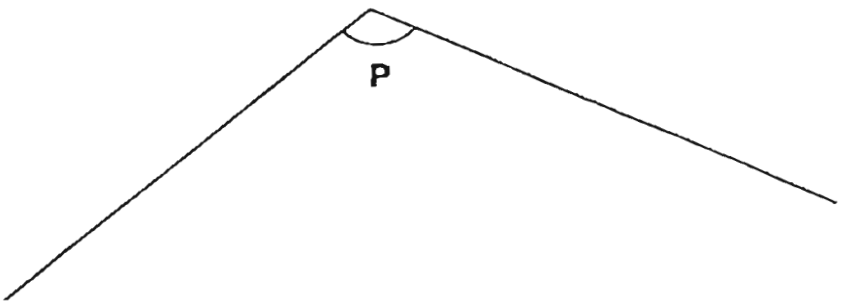
29. There are red and blue ribbons in a box. $\frac{2}{5}$ of them are blue.
15 of the ribbons are red. How many **blue** ribbons are there in the box?

Answer: _____ blue ribbons

30. Jacintha spent $\frac{5}{9}$ of her money on a skirt. The price of the skirt was $35.
How much did she have at first ?

Answer: $ _____

31. Use a protractor to measure $\angle p$ in the figure below.
Then write its value in the blank provided.



Answer: _____ °

The table below shows the number of T-shirts sold each day for five days. Study it carefully and answer questions 32 to 34.

Monday	☆ ☆ ☆ ☆ ☆
Tuesday	☆ ☆
Wednesday	☆ ☆ ☆ ☆
Thursday	☆ ☆ ☆ ☆ ☆ ☆
Friday	☆ ☆ ☆ ☆ ☆ ☆ ☆
Each ☆ stands for 4 T-shirts.	

32. How many T-shirts were sold on Friday?

Answer: _____T-shirts

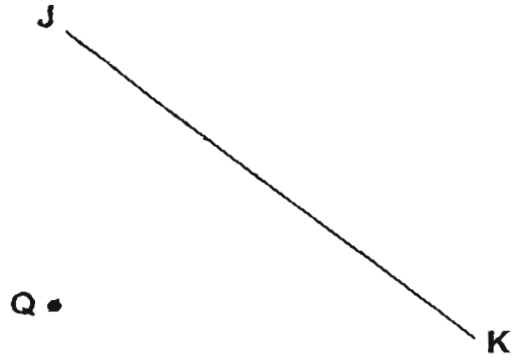
33. How many **more** T-shirts were sold on Friday than on Wednesday?

Answer: _____more

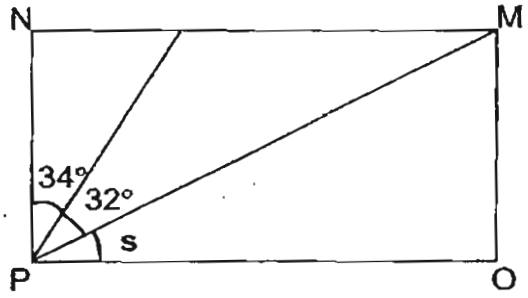
34. The number of T-shirts sold on Thursday is _____ times as many as the number of T-shirts sold on Tuesday.

Answer: _____

35. **JK** is a straight line. **Draw** a line perpendicular to the line **JK** through the point **Q**.



36. NMOP is a rectangle. What is ∠s ? The figure below is not drawn to scale.

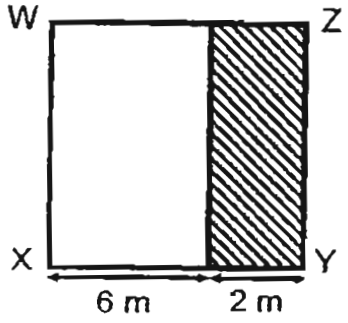


Answer:_____ °

37. Dave used all his money to buy 9 chocolate bars. If he had bought 5 chocolate bars, he would have $8 left. How much money did Dave have <u>at first</u>?

Answer: $_____

38. WXYZ is a square. Find the area of the shaded part.

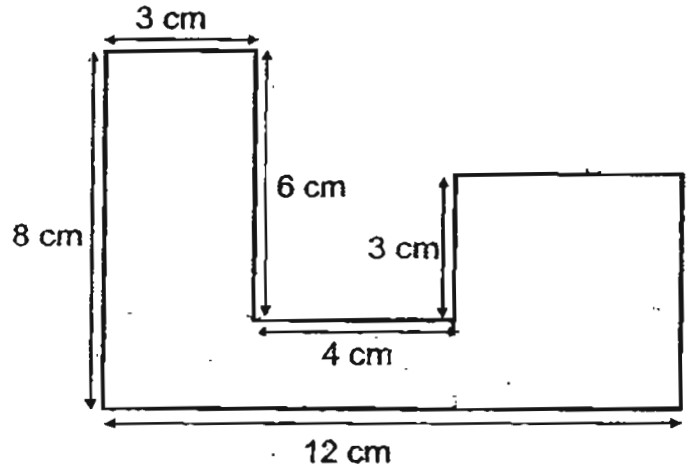


Answer: _____ m^2

39. 24 coins are used to form a square. The number of coins on each side of the square is the same. Find the number of coins on <u>each side</u> of the square.

Answer: _____ coins

40. Find the area of the figure below. All lines meet at right angles.
(The figure is not drawn to scale.)



Answer: _____ cm^2

Section C (20 marks)

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

41. 42 children were divided into 7 equal groups. Each child got 12 stickers and each group received an extra 10 stickers. How many stickers did they receive altogether ?

42. Jane and Ivan had $60. After giving Ivan $8, Jane had the same amount of money as Ivan. How much money did Ivan have at first ?

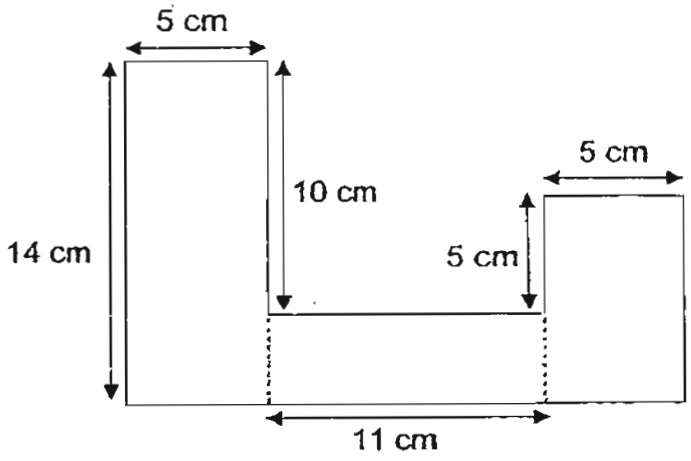
43. Kelly bought 28 m of cloth. She used $\frac{4}{7}$ of it to sew a dress. Then, she used another 3 m of cloth to sew a scarf. How many metres of cloth were left?

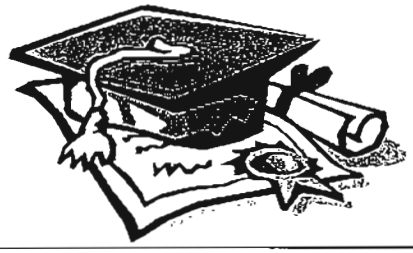
44. Ali, Ben and Chris have $620 altogether. Of this total amount, Ali's share is $90. Ben has $42 more than Chris. How much money does Ben have ?

45. The figure shown is made up of three rectangles. The figure is not drawn to scale.

(a) Find the area of the figure.

(b) Find the perimeter of the figure.



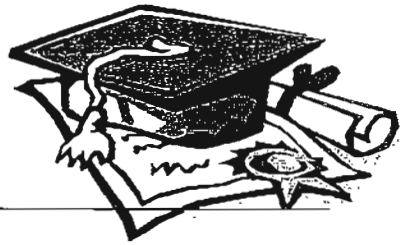


ANSWER SHEET

EXAM PAPER 2011

SCHOOL : NAN HUA PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1



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

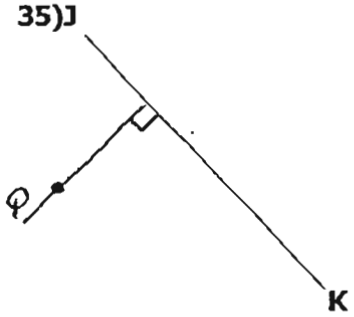
Q18	Q19	Q20
1	1	2

21)Forty-five thousand, eight hundred and ninety

22)807 **23)8523** **24)19/7** **25)3/10** **26)270**

27)443 **28)1/6, 7/12, 2/3** **29)10** **30)$63** **31)119°**

32)28 **33)12** **34)3** **35)J**



36)24° **37)$18** **38)16m2** **39)7**

40)57cm2

41)1 group = 42 ÷ 7 = 6 children
1group stickers→12 x 6 = 72 stickers
Total →72 + 10 = 82 stickers
7 group→82 x 7 = 574 stickers
They received 574 stickers.

42)$60 ÷2 = $30
$30 – $8 = $22
Ivan had $22 at first.

43)4/7 x 28m = 16m
16m + 3m = 19m
28m – 19m = 9m
9m of cloth was left.

44)$620 – $90 = $530
$530 – $42 = $488
$488 ÷2 = $244
$244 + $42 = $286
Ben has $286

45)a)A→5cm x 14cm = 70cm2
B→4cm x 11cm = 44cm2
C→9cm x 5cm = 45cm2
Total→45cm2 + 70cm2 + 44cm2=159cm2
The area of the figure is 159cm2
b)Perimeter→5cm+14cm+10cm
+11cm+21cm+5cm+5cm+9cm
=80cm
The perimeter of the figure is 80cm