NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2013
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 : 16 May 2013

Duration: 1 hour 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 OAS. [40marks]

1. 9 083 when rounded off to the nearest hundred is _____.

   (1) 9 000

   (2) 9 080

   (3) 9 090

   (4) 9 100

2. What is the value of 105 X 13 ?

   (1) 420

   (2) 450

   (3) 1 365

   (4) 1 495

3. In which of the following number is the digit '3' in the **thousands** place?

   (1) 42 300

   (2) 37 219

   (3) 23 567

   (4) 15 934

4. The sum of all the factors of 12 is _____

   (1) 6

   (2) 15

   (3) 27

   (4) 28

5. 20 thousands 40 ones is the same as _____.

(1) 2 004

(2) 2 040

(3) 20 040

(4) 20 400

6. The product of 2 numbers is 784. If one of the numbers is 8, what is the other number?

(1) 98

(2) 776

(3) 792

(4) 6 272

7. Which of the following fraction has the **greatest** value?

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

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

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

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

8. How many **quarters** are there in 3 wholes?

(1) 9

(2) 12

(3) 15

(4) 4

9. Which of the following fraction is nearest to 1 ?

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

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

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

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

10. Mr Lim bought some red and green apples from the supermarket. After giving away 4 red apples, Mr Lim had 10 apples left. What fraction of the apples had he given away?

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

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

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

(4) $\frac{5}{7}$

11. $\frac{3}{8}$ of a number is 24. What is the number?

(1) 9

(2) 64

(3) 72

(4) 192

12. What is the difference between $2\frac{2}{3}$ and $\frac{1}{4}$?

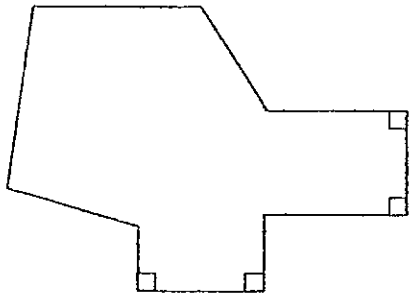
(1) $1\frac{5}{12}$

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

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

(4) $2\frac{5}{12}$

13. How many angles **inside** the figure are more than 90° ?



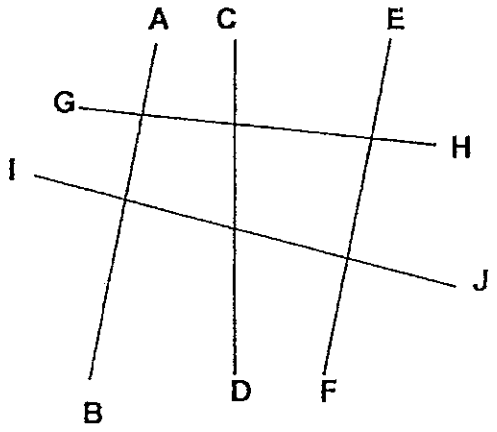
(1) 7

(2) 6

(3) 5

(4) 4

14. Study the diagram below.
Find one pair of parallel lines.



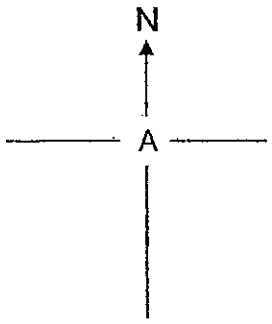
(1) AB // CD

(2) CD // EF

(3) AB // EF

(4) GH // IJ

15. Jerrell is standing at point A and facing west. Which direction will he face if he turns **225° clockwise**?



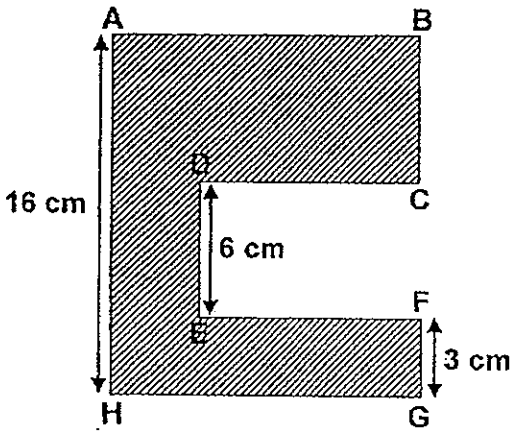
(1) North-east

(2) South-east

(3) South-west

(4) North-west

16. Find the length of BC. (The figure is not drawn to scale.)



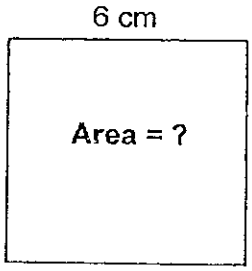
(1) 6 cm

(2) 7 cm

(3) 9 cm

(4) 10 cm

17. What is the area of a square of side 6 cm?



(1) $6\ cm^2$

(2) $12\ cm^2$

(3) $24\ cm^2$

(4) $36\ cm^2$

18. The area of a rectangle is twice the area of a square of side 4 cm. What is the area of the rectangle?

(1) 8 cm^2

(2) 16 cm^2

(3) 32 cm^2

(4) 64 cm^2

19. The length of a rectangle is 10 cm. Its breadth is half of its length. What is the perimeter of the rectangle?

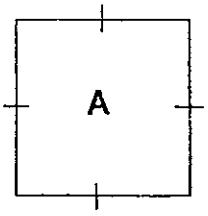
(1) 30 cm

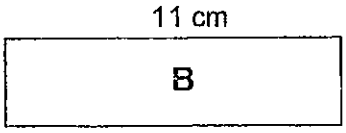
(2) 50 cm

(3) 60 cm

(4) 200 cm

20. The area of Square A is 49 cm^2. Square A and Rectangle B have the same perimeter. If the length of Rectangle B is 11 cm, what is its breadth?





(1) 7 cm

(2) 2 cm

(3) 3 cm

(4) 6 cm

Section B (20x2 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. [40marks]

21. Form the greatest 5-digit **odd** number using all the digits below.
Use each digit only once.

2	4	5	0	7

Answer: _____

22. What is the sum of the 3rd and 7th multiples of 3?

Answer: _____

23. Write 12 811 in **words**.

Answer: _____

_____

24. Find the product of 362 and 24.

Answer:_____

25. A DVD player costs 3 times as much as a radio. If the radio costs $60 less than the DVD player, find the total cost of the two items.

Answer: $_____

26. The length of a rectangular photo frame is 24 cm. If its breadth is $\frac{1}{3}$ that of the length, what is the area of the rectangular photo frame?

Answer: _____cm^2

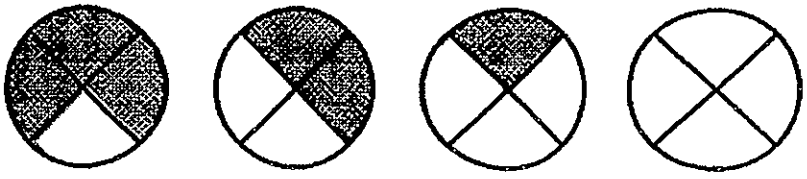
27. Anita's monthly salary was \$2 400. She spent $\frac{2}{3}$ of her monthly salary on transport and food and saved the rest. How much did Anita save each month?

Answer: \$_____

28. Find the sum of $\frac{2}{5}$ and $\frac{3}{10}$.

Answer: _____

29. Mary has 4 similar circles. Each circle is cut into 4 equal parts. How many more parts must Mary shade if she wants $3\frac{1}{4}$ circles to be shaded?



Answer: _____ more

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

$$\frac{8}{9},\ \frac{4}{5},\ \frac{1}{2},\ \frac{5}{6}$$

Answer: _____, _____, _____, _____
smallest

31. At a book fair, $\frac{3}{8}$ of the books were sold and 1 000 books were left unsold.

How many books were there at first?

Answer: _____ books

32. Susan has 84 stickers. Her brother has 46 stickers. How many stickers must Susan give her brother so that they have equal numbers of stickers?

Answer: _____ stickers

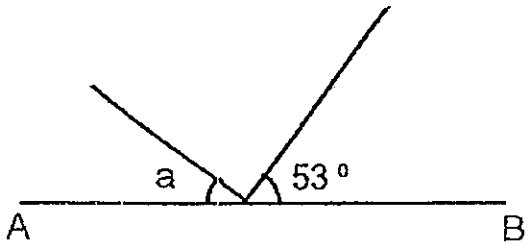
33. There were 10 lamp posts placed at equal distance along one side of a straight road. The total distance between the first lamp post and the last lamp post was 414 m. What was the distance between the 2nd and the 7th lamp post?

Answer: _____ m

34. Mrs Lim had 154 stamps. If she gave 4 stamps to each pupil in her class, she would need 14 more stamps. How many pupils were there in her class?

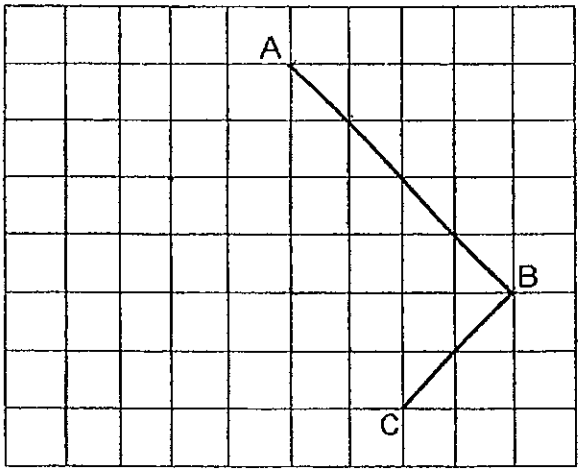
Answer: _____ pupils

35. In the diagram below, AB is a straight line. The figure is not drawn to scale.
What is the value of $\angle a$?

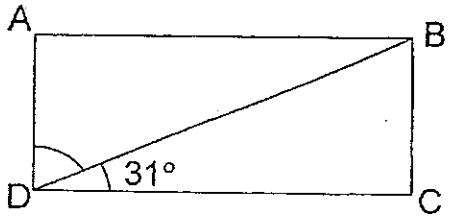


Answer:_____°

36. AB and BC are two sides of a rectangle. Complete the rectangle by drawing the two straight lines in the square grid below.

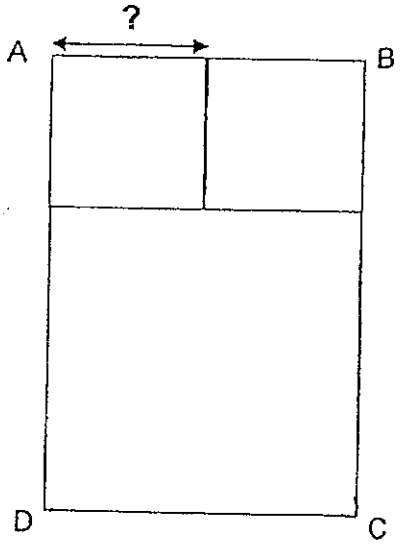


37. ABCD is a rectangle. The figure is not drawn to scale.
Find the value of $\angle$ BDA.



Answer: _____ °

38. The figure is made up of 2 identical small squares and another big square. If the area of the big square is 16 cm^2, what is the length of each of the small square?



Answer: _____ cm

Study Figure A below. The figure is made up of a square and a rectangle.
Answer questions 39 and 40. (The figure is not drawn to scale.)

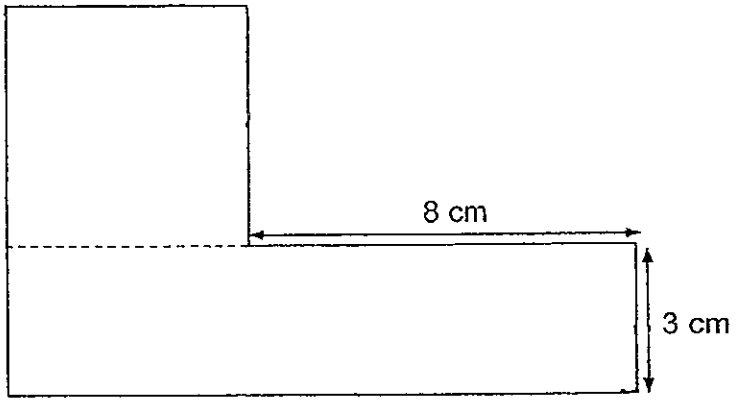


Figure A

---

39. Find the total area of the figure if the area of the square is 36 cm^2.

Answer: _____ cm^2

40. Find the perimeter of the whole figure.

Answer: _____ cm

Section C (5 x 4 marks)

Do the following sums carefully. All statements, workings and units must be clearly shown. [20marks]

41. 784 pupils took part in a parade. 432 of them were boys. If each girl carried 2 flags and each boy carried 1 flag, how many flags were there altogether ?

42. Jeremy bought some boxes of pencils at $4 each. They cost $580 in total. Some of the boxes of pencils were damaged. He sold the good ones at $5 each and collected $360. How many boxes of pencils were damaged?

43. Rayden had 20 more stamps than Woody at first. Woody gave 12 of his stamps to Rayden. Rayden now has 3 times as many stamps as Woody. How many stamps did Woody have <u>at first</u>?

44. Hui Min had \$120. She spent $\frac{3}{5}$ of it on a pair of shoes and \$40 on a bag. How much money had she left?

45. Lynda was given some coupons to sell to raise funds for needy pupils in school. For every 3 coupons sold, she would be rewarded with 5 stickers. How many coupons would she have to sell if she wanted to collect 30 stickers?

Please check your work.

ANSWER SHEET

EXAM PAPER 2013

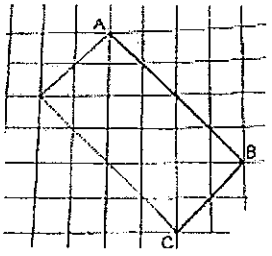
SCHOOL : NAHUA PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : SA1

Booklet A

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

Q17	Q18	Q19	Q20
4	3	1	3

21. 74205
22. 30
23. Twelve thousand, right hundred and eleven.
24. 8688
25. 120
26. 192
27. 800
28. 1/10
29. 7
30. 1/2, 4/5, 5/6, 8/9
31. 1600
32. 19
33. 0 m
34. 42
35. 37degree
36.



37. 54
38. 2
39. 78
40. 46
41. 784-432=352
    352x2=704

432x1=432
704+432=1136

42.580÷4=145
360÷5=72
145-72=73

43.44÷2+12=22+12=34

44. 120÷5=24
24x3=72
72+40=112
120-112=8

45.30÷5=6
6x3=18