NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2014
PRIMARY 4
MATHEMATICS

Duration: 1 h 45 minutes

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 A		/ 40
Section B		/ 40
Section C		/ 20
Total		/ 100

Name : _____ (   )

Class : Pr 4 _____

Date : 12 May 2014   Parent's Signature :_____

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. A number is 400 when rounded off to the nearest ten. What could the number be

    (1)   389

    (2)   394

    (3)   399

    (4)   414   (   )

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

    (1)   127

    (2)   288

    (3)   347

    (4)   564   (   )

3. What is the remainder when 519 is divided by 5?

    (1)   1

    (2)   2

    (3)   3

    (4)   4   (   )

4. How many **hundreds** are there in the product of 4 and 500?

    (1)   20

    (2)   2

    (3)   200

    (4)   2 000   (   )

5. Which one of the following numbers has factors of 2, 3 and 5?

(1)   40
(2)   50
(3)   60
(4)   70   (   )

6. The difference between 2 numbers is 10. The bigger number is 3 times the smaller number. What is the bigger number?

(1)   12
(2)   15
(3)   20
(4)   30   (   )

7. Which of the following fractions below is the **greatest** ?

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

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

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

(4) $\dfrac{1}{5}$ (   )

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

$$\frac{2}{3} , \frac{1}{2} , \frac{1}{4} , \frac{5}{12}$$

(1) $\frac{2}{3} , \frac{1}{4} , \frac{1}{2} , \frac{5}{12}$

(2) $\frac{2}{3} , \frac{1}{2} , \frac{5}{12} , \frac{1}{4}$

(3) $\frac{1}{2} , \frac{2}{3} , \frac{1}{4} , \frac{5}{12}$

(4) $\frac{1}{4} , \frac{5}{12} , \frac{1}{2} , \frac{2}{3}$ (   )

9. $\frac{2}{3}$ of a number is 12. What is the number?

(1)   8

(2)   18

(3)   24

(4)   36   (   )

10. After eating 2 sweets from the packet shown below , Jan had 10 sweets left. What fraction of the original packet of sweets had she eaten?

SWEETS

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

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

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

(4) $\frac{5}{6}$ (   )

11. How many thirds are there in 6 wholes?

(1) 9

(2) 10

(3) 3

(4) 18   (   )

12. In $1\frac{2}{3} = \frac{\square}{9}$, what is the missing number in the box?

(1) 6

(2) 9

(3) 11

(4) 15   (   )

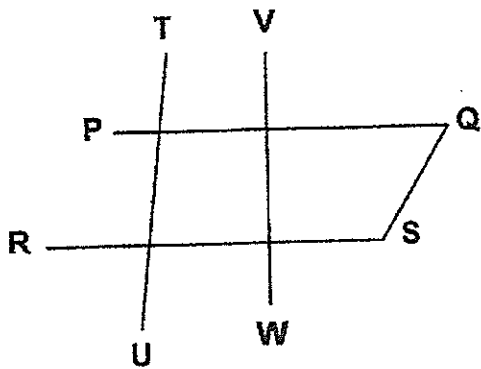13. How many right angles are there in a $\frac{3}{4}$ - turn ?
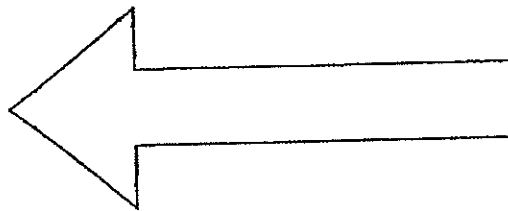
(1) 1

(2) 2

(3) 3

(4) 4   (   )

14.

In the figure above, Line RS is perpendicular to line _____.

(1)   PQ

(2)   TU

(3)   VW

(4)   QS   (   )

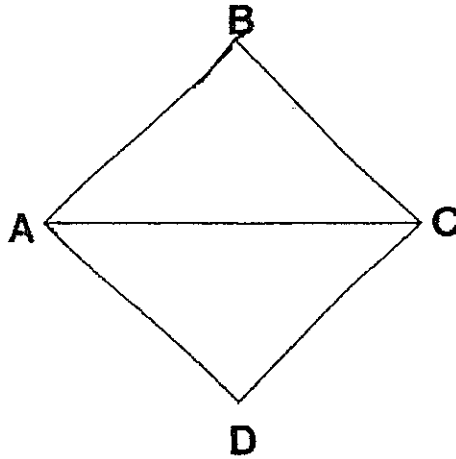15. How many angles inside this figure are smaller than a right angle ?

(1)   1

(2)   2

(3)   3

(4)   4   (   )

16   The figure ABCD is a square. What is angle BAC?

(1)   30°

(2)   45°

(3)   60°

(4)   90°   (   )

17.   I am facing north. If I turn 45° anti-clockwise, where will I be facing ?

(1)   north-east

(2)   north-west

(3)   south-east

(4)   south-west   (   )

18.   The perimeter of a rectangle is 10 cm. The breadth is 2 cm, what is its length?

(1)   12 cm

(2)   8 cm

(3)   3 cm

(4)   6 cm   (   )

19. Which of the following has the **largest** area?

    (1)   A square of side 4 cm

    (2)   A square of perimeter 20 cm

    (3)   A rectangle measuring 4 cm by 5 cm

    (4)   A rectangle measuring 6 cm by 3 cm   (   )

20. The perimeter of a square is the same as its area.
    What could the side of the square be?

    (1)   1 m

    (2)   2 m

    (3)   3 m

    (4)   4 m   (   )

Section B (20 x 2marks)
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 90 013 in words.

    Answer: _____

    _____

22. Form the **largest** 4-digit even number with these digits 3, 5, 7 and 8.

                                                        Answer:_____

8

23. What is 123 x 9 ?

Answer:_____

24. A movie ticket costs $9. Jane has $200.
What is the greatest number of movie tickets she can buy?

Answer:_____ movie tickets

25. What is the sum of the first 2 multiples of 8 ?

Answer:_____

26. The perimeter of a rectangle is 24 cm. If the length is twice its breadth, what is the breadth of the rectangle?

Answer: _____cm

27. The area of a square is 9 m². What is its perimeter?

Answer: _____m

28. Amos was given $27. He spent $\frac{1}{3}$ of it on food. How much money did he spend?

Answer: $_____

29. What is the value of $1\frac{1}{4}+\frac{2}{3}$?

Answer: _____

30. Express $3\frac{1}{4}$ as an improper fraction.

Answer: _____

31

A   B   C
|————————————————|————————————————|

$3\frac{3}{4}$?   4
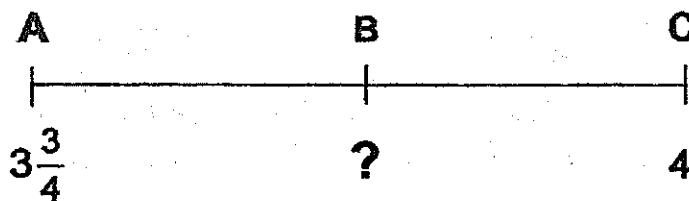
B is exactly midway between A and C on the number line. What is B ?
(Give your answer in fraction.)

Answer: _____

32. There are 5 bicycles and tricycles. There are 12 wheels in all.
How many bicycles and how many tricycles are there ?

Answer: _____ bicycles

_____ tricycles

33. Ken had some marbles. He lost 5 marbles and bought another 8 marbles.
In the end, he had 28 marbles. How many marbles had he at first?

Answer: _____ marbles

34. Mother has some chocolates. If she gives 2 chocolates each to her children,
she will have 3 chocolates left. If she gives 3 chocolates each to her children,
she will have 1 short. Find the number of children and the number of
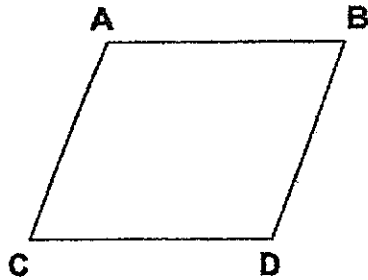chocolates.

Answer: _____ children

_____ chocolates

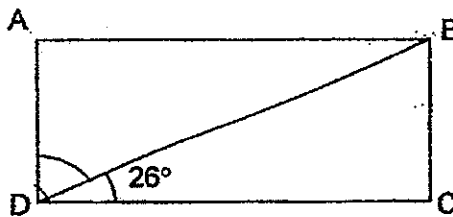35. How many pairs of perpendicular lines are there in Rectangle WXYZ ?

W _____ X
| |
| |
Z _____ Y
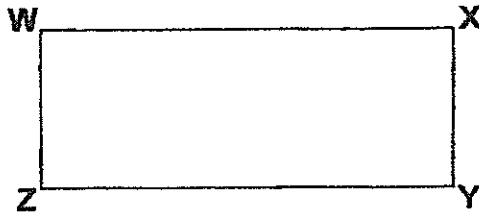
Answer: _____ pairs

36. Line _____ is parallel to Line BD

A   B
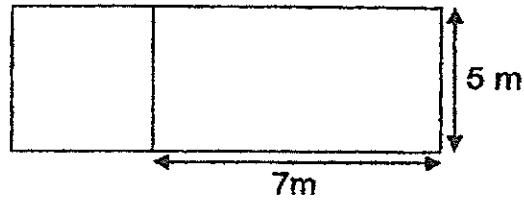
C   D

Answer: Line _____

37. ABCD is a rectangle. Find the value of ∠ BDA.
(The figure is not drawn to scale.)

A   B

        26°
D   C

Answer: _____ °

12

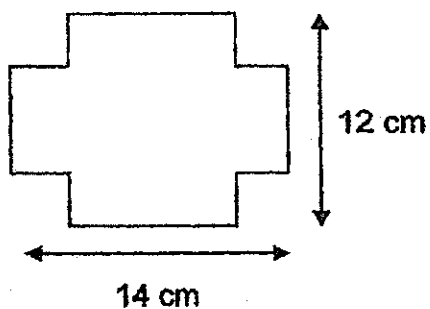38. The figure below is made up of a square and rectangle. What is its perimeter?

5 m

7m

Answer: _____ m

39. What is the **smallest** area of a rectangle that can be formed with a wire 12 cm long? (All measurements are in whole numbers)

Answer: _____ cm^2

40. A square of 2cm is cut from each corner of a rectangle 14 cm by 12cm.

12 cm

14 cm

What is the perimeter of the figure?

Answer: _____ cm

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

41. Mike and Sam collected 1 600 stickers altogether.
    Sam collected 120 stickers more than Mike. How many stickers did Sam collect?

42. A microwave oven costs $386. A washing machine costs $690 more than the microwave oven. What is the total cost of the two items ?

45. At a children's camp, 40 children were put into groups of 5.
Each child was given 2 buns. Each group was also given 3 extra buns.
How many buns were given out altogether?

44. Mrs Seto had $280. She spent $\frac{3}{5}$ of it on a pair of pants and $99 on a dress.
How much money had she left ?

45. Fanny had $240 more than George. Henson had twice as much money as George. The 3 children have $980 altogether. How much money does Henson have?

Year: 2014

Level: Primary 4

School: Nan Hua Primary School

Subject: Mathematics

Semester: SA1

Section A:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	4	1	3	2	1	4	2	3
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	4	3	3	3	2	2	3	2	4

Section B:

Q21) Ninety thousand and thirteen

Q22) 7538

Q23) 1107

Q24) 22

Q25) 24

Q26) 4

Q27) 12

Q28) 9

Q29) 1 11/12

Q30) 13/4

Q31) 3 7/8

Q32) 3 bicycles , 2 tricycles

Q33) 25

Q34) 4 children, 11 chocolates

Q35) 4

Q36) AC

Q37) 64

Q38) 34

Q39) 5

Q40) 52

Section C:

Q41) Sam collected 860 stickers.

Q42) The total cost of the two items is $1462.

Q43) 104 buns were given out altogether.

Q44) She has $13 left.

Q45)Henson has $370.