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 :** _____

Section A (20x2marks)

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) 584 ( )

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

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?

(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 ( )

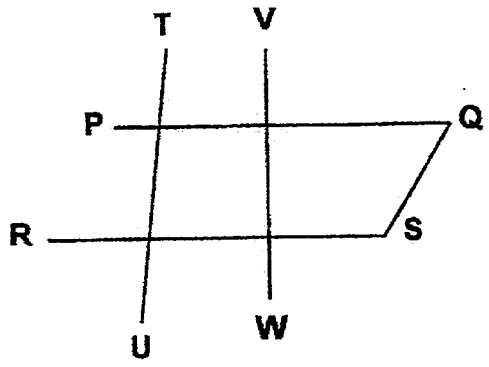
12. In $1\frac{2}{3} = \frac{\square}{9}$, what is the missing number in the box?

(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 _____.

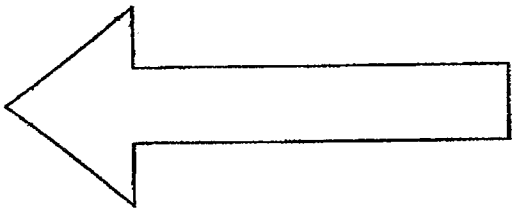
(1) PQ

(2) TU

(3) VW

(4) QS ( )

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



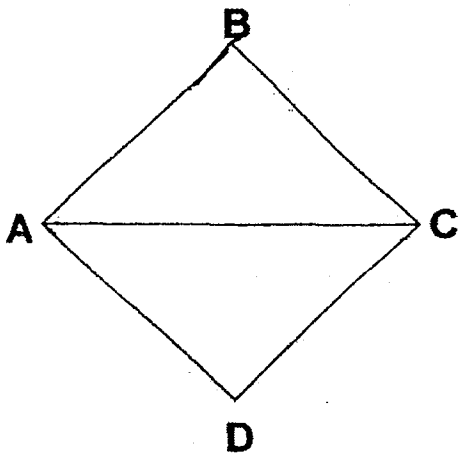
(1) 1

(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:_____

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 m^2. 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: \$_____

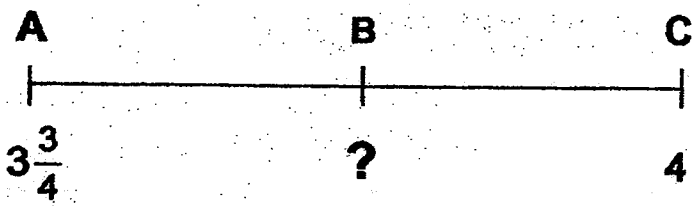
29. What is the value of $1\frac{1}{4}+\frac{2}{3}$?

Answer: _____

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

Answer: _____

31



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 <u>at first</u>?

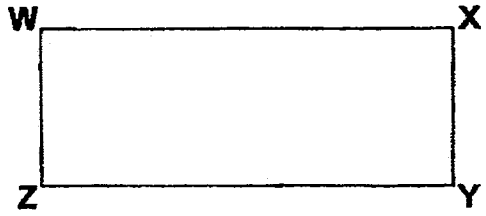
Answer: _____ marbles

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

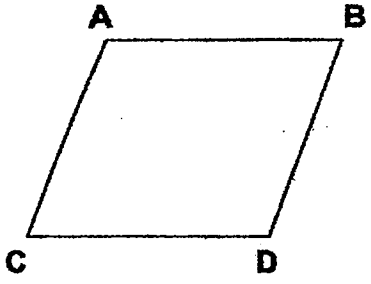
_____ chocolates

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



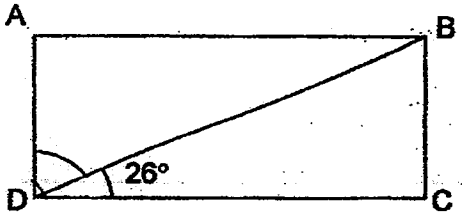
Answer: _____ pairs

36. Line _____ is parallel to Line BD



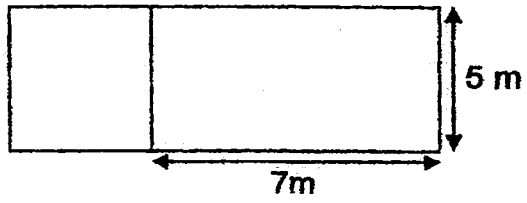
Answer: Line _____

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



Answer: _____ °

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

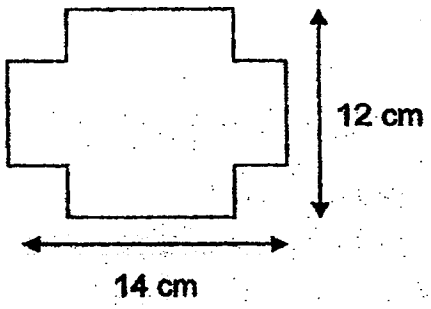


Answer: _____m

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.



What is the perimeter of the figure?

Answer: _____cm

Section C (20 marks)

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.