NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2017
PRIMARY 4

MATHEMATICS

Section A: 20 Multiple Choice Questions (40 marks)

Section B: 20 Short Answer Questions (40 marks)

Section C: 5 Open-ended Questions (20 marks)

Total Time for: 1 hour 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 : 4_____

Date : 5 May 2017 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. Complete the number pattern.

   89 851 , 89 951 , _____ , 90 151 , 90 251 , 90 351

   (1) 80 051

   (2) 80 951

   (3) 90 051

   (4) 90 951 ( )

2. A baker baked 1 599 loaves of bread last month. Round this number to the nearest hundred.

   (1) 1 000

   (2) 1 600

   (3) 1 690

   (4) 2 000 ( )

3. 15 is a common multiple of _____.

   (1) 2 and 5

   (2) 3 and 4

   (3) 3 and 5

   (4) 5 and 10 ( )

4. How many hundreds are there in 18 000?

(1) 18
(2) 180
(3) 1800
(4) 18 000 ( )

5. In 592 360, what does the digit '9' stand for?

(1) 9 tens
(2) 9 hundreds
(3) 9 thousands
(4) 9 ten thousands ( )

6. What is the remainder when 9863 is divided by 4?

(1) 23
(2) 7
(3) 3
(4) 2465 ( )

7. What is the third common multiple of 4 and 6?

(1) 12
(2) 16
(3) 24
(4) 36 ( )

8. There are 46 pencils in a box. How many pencils are there in 9 boxes?

(1) 360
(2) 404
(3) 414
(4) 454 ( )

9. Express $\frac{15}{4}$ as a mixed number.

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

10. $\frac{7}{12} = \frac{\square}{4} - \frac{1}{6}$

What is the missing number in the box?

(1) 5
(2) 2
(3) 3
(4) 9 ( )

11. Which one of the following fractions is the smallest?

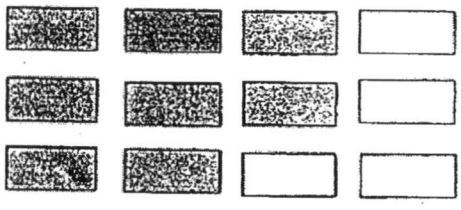
(1) $\frac{2}{5}$

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

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

(4) $\frac{3}{10}$ ( )

12. What fraction of the rectangles below is shaded?



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

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

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

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

13. Which one of the following does not have the same value as $27 \times \frac{1}{6}$?

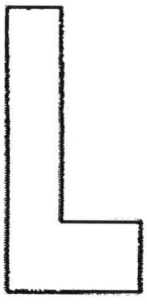
(1) $\frac{9}{2}$

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

(3) $\frac{14}{3}$

(4) $\frac{54}{12}$ ( )

14. How many pairs of **perpendicular lines** are there in the figure?



(1) 5

(2) 6

(3) 3

(4) 4 ( )

15. $\frac{2}{5}$ of a number is 30, what is the number?

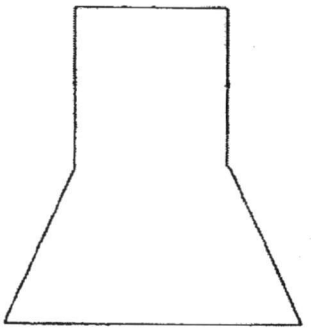
(1) 12

(2) 15

(3) 50

(4) 75 ( )

16. How many pairs of **parallel lines** can you find in the figure below?



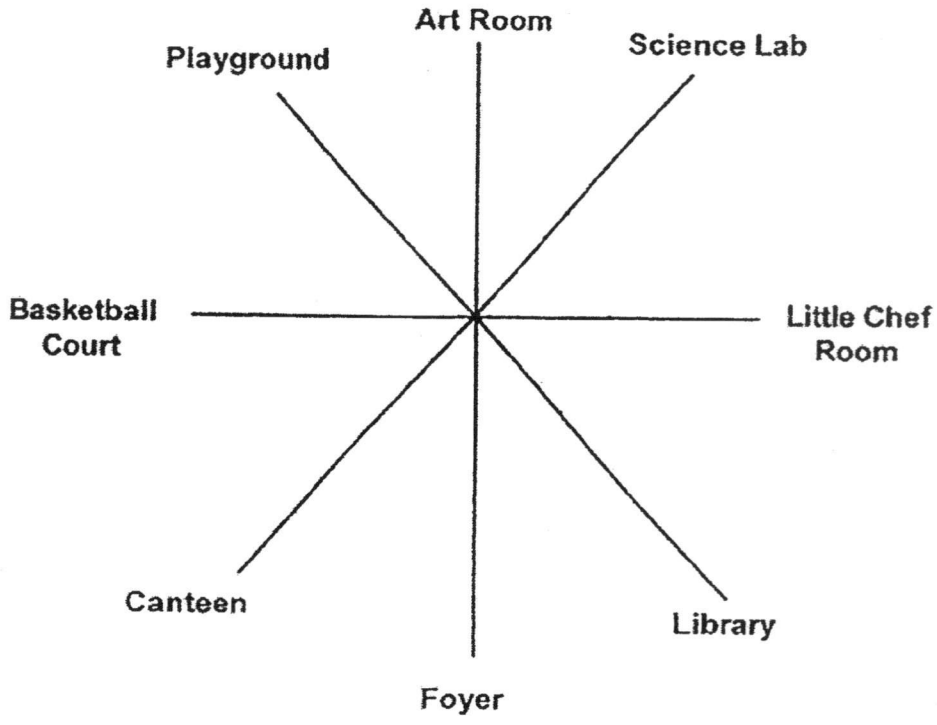
(1) 1

(2) 2

(3) 3

(4) 4 ( )

17.



Annie is facing the library. Where will she be facing if she turns 135°anti-clockwise direction?

(1) Canteen

(2) Art Room

(3) Playground

(4) Basketball Court ( )

18. Gabriel sold $\frac{3}{5}$ of the bookmarks made by his classmates. His classmates made 350 bookmarks in total. How many bookmarks did he sell?

(1) 70

(2) 140

(3) 210

(4) 280 ( )

19. Jane baked 289 cookies. She packed them equally into paper bags. Each paper bag could hold a maximum of 7 cookies. What was the minimum number of such bags needed to pack all the cookies?

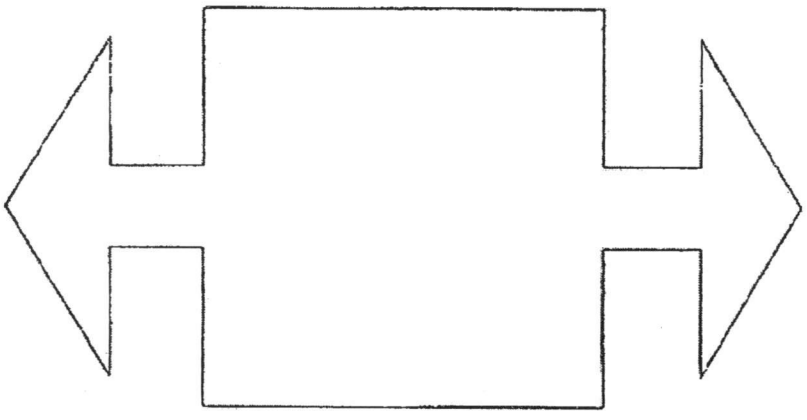
(1) 31

(2) 40

(3) 41

(4) 42 ( )

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



(1) 12

(2) 10

(3) 8

(4) 4 ( )

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 22 049 in words.

Answer: _____

_____

22. _____ ÷ 4 = 392

Answer: _____

23. List down all the common factors of 27 and 36.

Answer: _____

24. 400 000 + _____ + 800 = 472 800

Answer: _____

25. What is the product of 346 and 68?

Answer: _____

26. A number is 2900 when rounded to the nearest hundred.

a) What is the smallest possible number?

b) What is the greatest possible number?

Answer a) _____

b) _____

27. How many sixths are there in $6\frac{1}{3}$?

Answer: _____

28. Find the smallest 5-digit even number that can be formed with the following digits.

6	7	0	3	5

Answer: _____

29. Find the value $2\frac{4}{5} - 1\frac{3}{10}$

Give your answer in the simplest form.

Answer: _____

30. Arrange the following numbers in **decreasing order.**

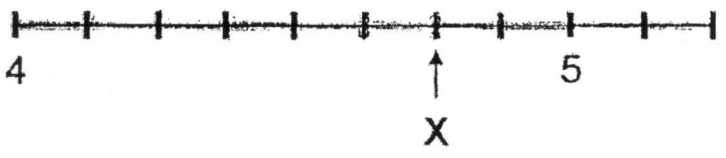
$$\frac{10}{4} \quad , \quad 2\frac{1}{4} \quad , \quad \frac{8}{3}$$

Answer: _____, _____, _____
greatest

31. The total amount of money Susan and Peter saved was $798, Susan saved $166 more than Peter. How much did Susan save?

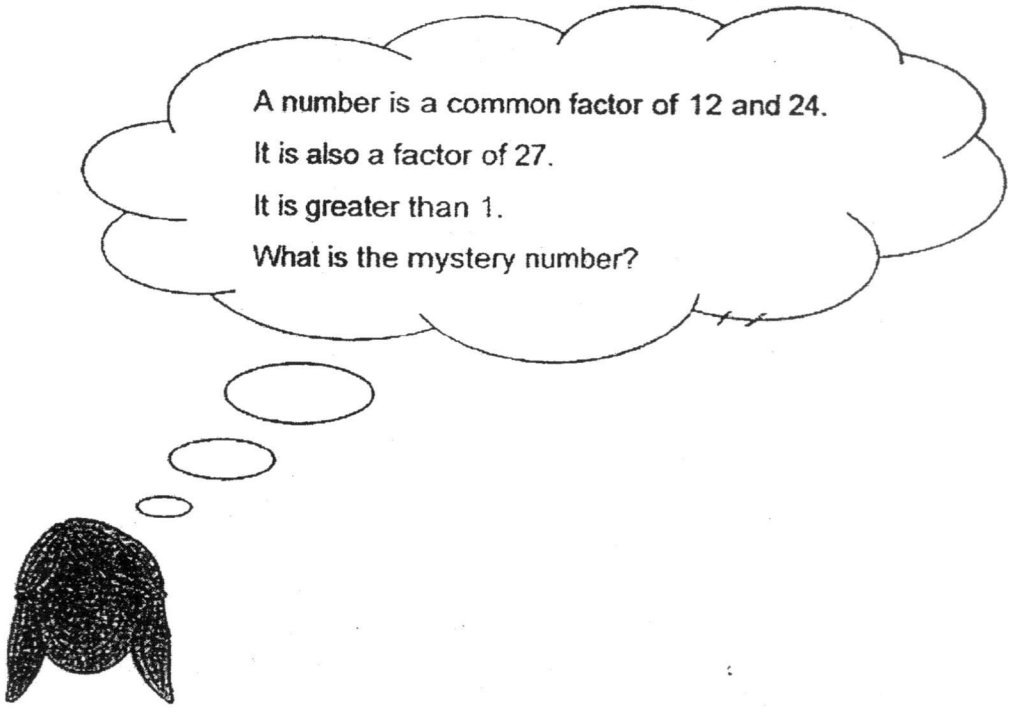
Answer: $_____

32. What is the value of X on the number line? Express the mixed number in its simplest form.



Answer: _____

33.



Answer: _____

34. Mr Tang gave some sweets to his pupils who had participated in the school's 100th year anniversary celebration dance performance. If he gave each pupil 6 sweets, he would have 3 sweets left over. If he gave each pupil 7 sweets, he would need another 3 sweets. How many pupils were involved in the dance performance?

Answer: _____ pupils

35. The clock shows the minute hand pointing at 3. You may use this clock to find the amount of turns made by the minute hand.

Complete the table as shown below.

Time		Turn made by the minute hand	Size of the angle made by the minute hand.
From	To		
(For example) 3 p.m	6 p.m	$\frac{1}{4}$ turn	90°
8 p.m	5 a.m	(a) _____turn	b) _____°

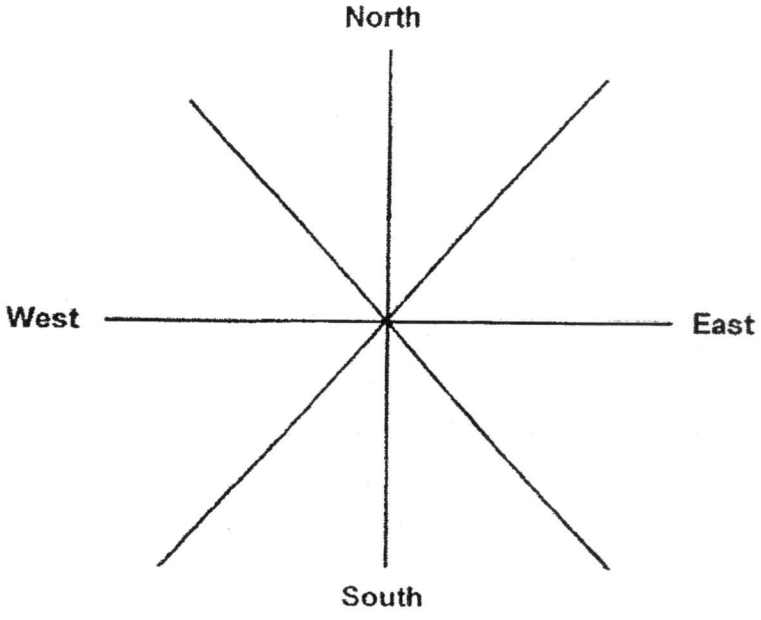
Answer: a)_____turn

b)_____°

36. Macy and Lilian had an equal number of stickers. After Macy gave Lilian 45 of her stickers, Lilian had twice as many stickers as Macy. How many stickers did Lilian have at first?

Answer:_____stickers

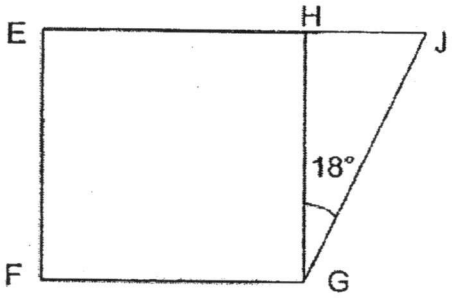
37. Peter is facing South. If he turns 225° anti-clockwise, then turns 180° in clockwise direction, where will he be facing in the end?



Answer: _____

38. The figure below is made up of a square and a triangle. Find ∠FGJ.

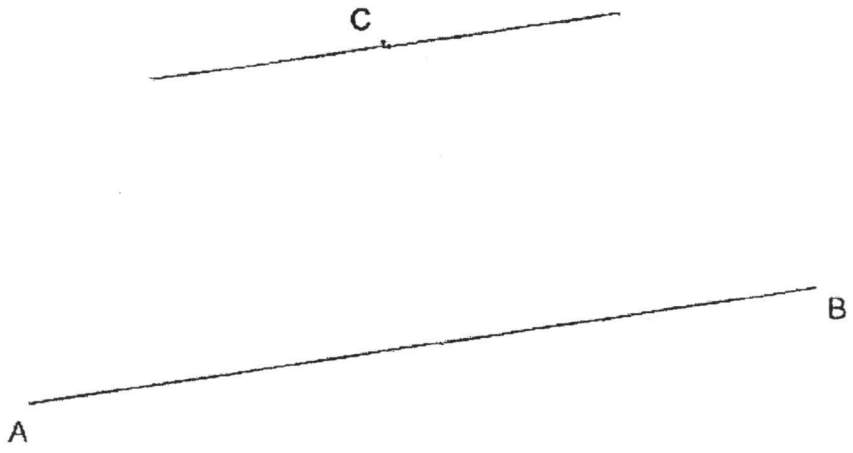
The diagram is not drawn to scale.



Answer: _____°

39. In the space below, the line AB and point C are given.

Draw a line parallel to line AB passing through point C.



40. Use a ruler and a set square to draw a rectangle ABCD of length 9 cm and breadth 5 cm. Label the rectangle drawn clearly.

Section C (20 marks)

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

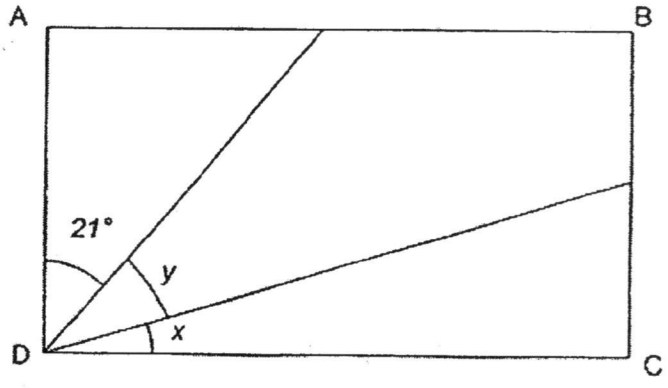
41. Mrs Jacob bought some apples from the market. She had 36 apples in total including the free apples. How much did she pay for the apples?

42. Billy's monthly allowance was \$189. He spent $\frac{3}{7}$ of his allowance on food. He saved \$35 and spent the rest of his money on transport. How much money did he spend on transport?

43. The total height of Rina, Harry and Alan is 473 cm. Harry is 37 cm taller than Alan. Rina is 9 cm shorter than Harry. Find Rina's height.

44. Carrie had a collection of 20 old coins. The value of the coins was $6.40 in total. In her collection, there were only 20-cent coins and 50-cent coins. How many 50-cent coins did she have?

45. The figure below shows a rectangle ABCD that is not drawn to scale. $\angle y$ is two times that of $\angle x$. Find $\angle x$.



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EXAM PAPER 2017 (P4)

SCHOOL : NAN HUA

SUBJECT :MATHEMATICS

TERM : SA1

ORDER CALL :

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

21)Twenty-two thousand and forty-nine. 22)1568 23)1 , 3 , 9

24)72000 25)23528 26)a)2850 b)2949 27)38

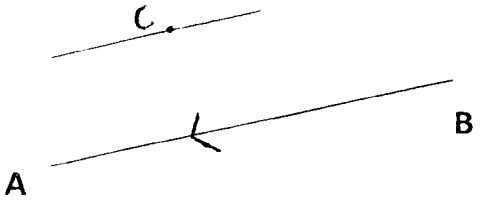
28)30576 29)1½ 30)8/3 , 10/4 , 2¼ 31)$482

32)4¾ 33)3 34)6 pupils 35)a)¾ b)270°

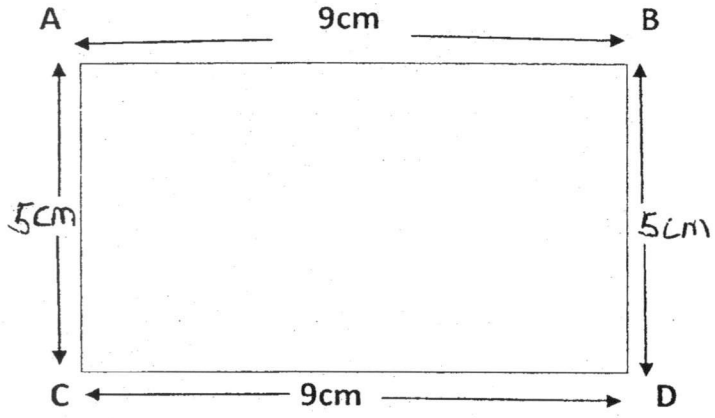
36)1u→4 x 2 = 90 37)South-East 38)90° + 18° = 108°

2u→90 + 45 = 135 stickers

39)



40)



41)7 + 2 = 9

36 ÷ 9 = 4

4 x 7 = 28

28 x 0.30 = $$8.40

42)2/3 x 189 = 27 x 3 = 81

81 +.35 = 116

189 – 116 = 73

Billy spent $73 on transport.

43)37cm – 9cm = 28cm

37cm + 28cm = 65cm

3units→473cm – 65cm = 408cm

1unit→408 ÷ 3 = 136

136 + 28 = 164cm

Rina's height is 164cm.

44)Carrie have 8 50-cent coins

45)90° – 21° = 69°

69° ÷ 3 = 23°

∠ X is 23°