Name:_____( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2015 Semestral Assessment One

Booklet A

12 May 2015

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of **10** printed pages including the cover pages.

Section A: (20 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

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1. In the number 362 059, the digit 2 stands for _____.

   1) 20 ones

   2) 2 hundreds

   3) 20 hundreds

   4) 2 ten thousands

2. Which of the following numbers when rounded off to the nearest hundred becomes 20 000?

   1) 19 949

   2) 19 995

   3) 20 099

   4) 20 999

3. How many factors of 56 are there altogether?

   1) 5

   2) 6

   3) 7

   4) 8

4. 745 × 8 tens = _____

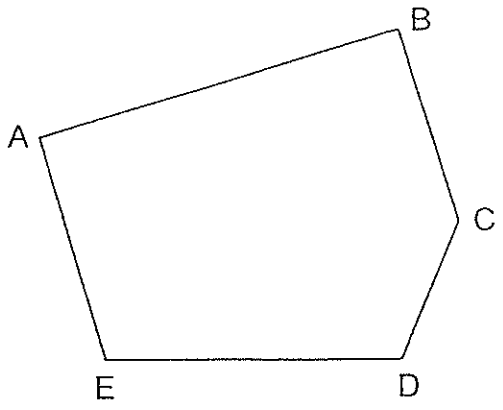
1) 5920

2) 5960

3) 59 200

4) 59 600

5. In the figure below, line AE is perpendicular to line _____.



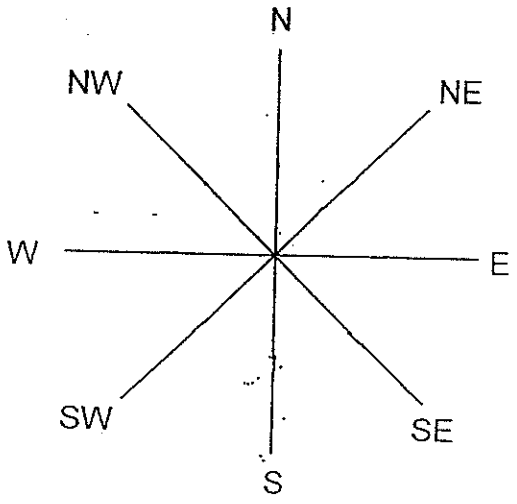
1) AB

2) BC

3) CD

4) DE

6. Julian is facing South-West. If he turns in an anti-clockwise direction, what is the angle that he needs to turn to face north?



1) 90°

2) 135°

3) 225°

4) 270°

7. The sum of two numbers is 1050. The difference between the two numbers is 210. What is the bigger number?

1) 420

2) 630

3) 840

4) 1260

8. Miss Yong had 270 bookmarks. She gave each of her students 6 bookmarks and had 36 bookmarks left. How many students did she have?

1) 39

2) 40

3) 41

4) 51

9. What is the missing number?

$\frac{54}{9} =$ _____ thirds

1) 6

2) 18

3) 27

4) 162

10. Ken had 147 boxes of pens. There were 24 pens in each box. He sold all his pens at $2 each. How much money did he collect from the sale of the pens?

1) $294

2) $342

3) $3528

4) $7056

11. Which of the following fractions is the smallest?

1) $\frac{5}{6}$

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

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

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

12. Ian spent $\frac{3}{8}$ of his salary on food and $\frac{1}{4}$ of it on transport. He saved the remaining salary. What fraction of his salary did he save?

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

2) $\frac{3}{8}$

3) $\frac{5}{8}$

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

13. A bag contains 180 straws. $\frac{5}{9}$ of the straws are yellow. The rest are blue. How many blue straws are there in the bag?

1) 20

2) 36

3) 80

4) 100

14. Mr Ron has 350 ℓ of paint. Mr Smith has 7 times as much paint as Mr Ron. How many litres of paint must Mr Smith give Mr Ron so that they have the same amount of paint?

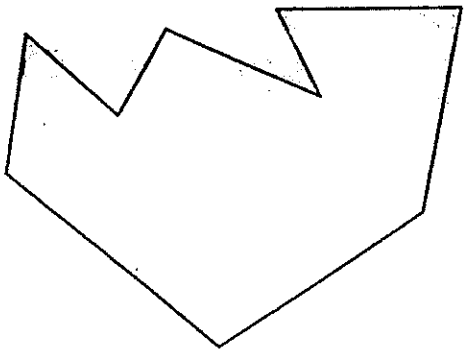
1) 50 ℓ

2) 300 ℓ

3) 1050 ℓ

4) 1225 ℓ

15. How many angles within the figure are smaller than a right angle?



1) 9

2) 6

3) 3

4) 4

16. The mass of 2 identical sofa sets is the same as the mass of 4 identical tables. The total mass of the 2 sofa sets and 4 tables is 240 kg. What is the mass of 1 table?

1) 30 kg

2) 40 kg

3) 60 kg

4) 120 kg

Mrs Howard wanted to find out the amount of pocket money pupils in her class received weekly. She recorded the data obtained in the table below. Use the table to answer questions 17 and 18. pupils

Amount of pocket money received weekly	Number of ~~students~~
$10	?
$15	11
$20	17
$25	?

17. There were 40 pupils in Mrs Howard's class. The number of pupils who received $10 weekly was twice the number of pupils who received $25 weekly. How many pupils received $25 weekly as pocket money?

1) 12

2) 8

3) 6

4) 4

18. How many pupils received at least $15 weekly as pocket money?

1) 11

2) 17

3) 21

4) 32

19. Nathan has a total of 20 shirts. He has 8 red shirts and an equal number of yellow and green shirts. What fraction of his shirts are green?

1) $\frac{3}{10}$
2) $\frac{2}{5}$
3) $\frac{3}{5}$
4) $\frac{3}{4}$

20. Brad went to the gym every 3 days. Clark went to the gym every 2 days. If they first met each other in the gym on a Monday, when would be the next time they meet each other again?

1) Monday
2) Thursday
3) Saturday
4) Sunday

- END OF BOOKLET A -

Name: _____ ( )

Class : Primary 4_____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 4 Mathematics

2015 Semestral Assessment One

Booklet B

12 May 2015

Booklet A :	/ 40
Booklet B :	/ 60
Total :	/ 100

TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

This booklet consists of 14 printed pages including the cover page.

Section B: (20 x 2 marks)

Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.

Do not write in this space

21. What is the difference between the smallest factor and the biggest factor of 20?

Ans : _____

22. Write thirty thousand and sixteen in numerals.

Ans : _____

23. Study the number pattern below. What is the missing number?

54 511, 44 410, 34 309, _____?_____, 14 107, 4 006

Ans : _____

24. Use the digits below to form the greatest 5-digit even number. Each digit can only be used once.

1	7	4	2	5

Ans : _____

Do not write in this space

25. Mrs Kang wanted to buy 300 badges. The badges were sold in boxes of 9. What was the least number of boxes of badges that Mrs Kang needed to buy?

Ans : _____

26. Round off 50 046 and 8951 to the nearest ten. Then estimate to find the difference between them.

Ans : _____

27. Belle had 4 m of ribbon. She used $\frac{1}{3}$ m of it to make a bow and gave $\frac{2}{9}$ m of it to her sister. How much ribbon had she left? Express your answer as a mixed number.

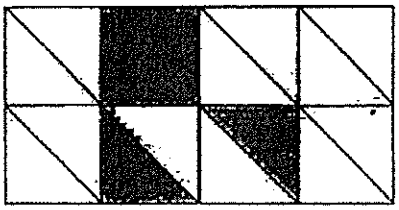
Do not write in this space

Ans : _____ m

28. Bakery A baked 120 cakes a day. It baked 26 more cakes a day than Bakery B. How many cakes did the two bakeries bake in 30 days?

Ans : _____

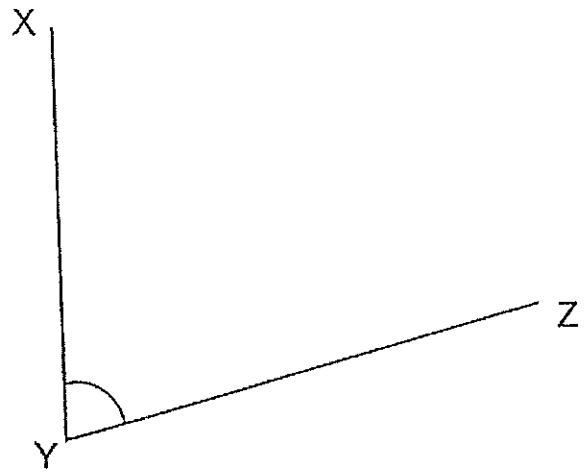
29. The figure below is made up of identical triangles. How many more triangles must be shaded such that $\frac{3}{4}$ of the figure is shaded?



Ans : _____

Do not write in this space

30. Use a protractor to measure $\angle XYZ$. What is the size of $\angle XYZ$?



Ans : _____ °

31. Kenneth had 45 stickers left after giving 35 stickers to his brother. What fraction of his stickers did Kenneth give his brother? Leave your answer in the simplest form.

Do not write in this space

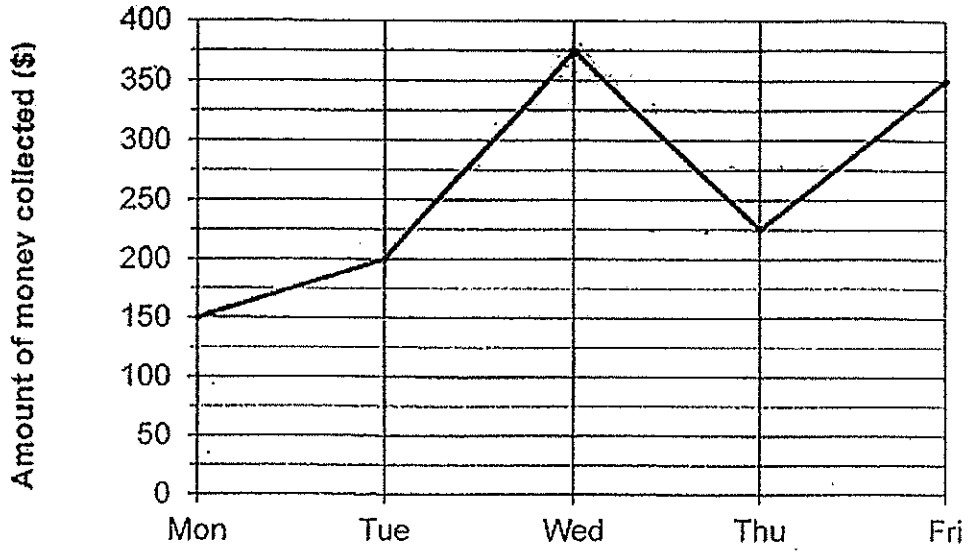
Ans : _____

32. Mr Leong had 60 tennis balls. He gave $\frac{1}{12}$ of his tennis balls to Brandon. During the practice, Mr Leong lost 4 tennis balls. How many tennis balls did Mr Leong have in the end?

Ans : _____

The line graph below shows the amount of money Mr Raju collected from the sale of chicken pies from Monday to Friday. Study the line graph and answer questions 33 and 34.

Do not write in this space



33. How much money did Mr Raja collect from Wednesday to Friday?

Ans : $_____

34. Mr Raju sold 3 chicken pies for $5. How many chicken pies did he sell in all on Tuesday?

Ans : _____

35. Mr Jones bought a carton of bean bags. There were fewer than 60 bean bags in the carton. The number of bean bags in the carton could be packed into boxes of 4 or 7. What was the greatest possible number of bean bags in the carton?

Do not write in this space

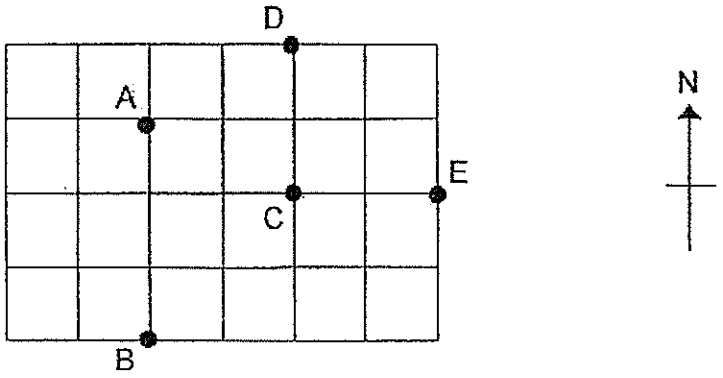
Ans : _____

36. The total cost of 1 wallet and 2 identical belts is $149. The wallet cost $23 more than each belt. How much did each belt cost?

Ans : $_____

37. Study the diagram below. Point C is _____ of Point D.

Do not write in this space



Ans : _____

38. Jamie had 4 times as many storybooks as magazines. After her mother gave her 51 new magazines, she had the same number of storybooks and magazines. How many storybooks did Jamie have?

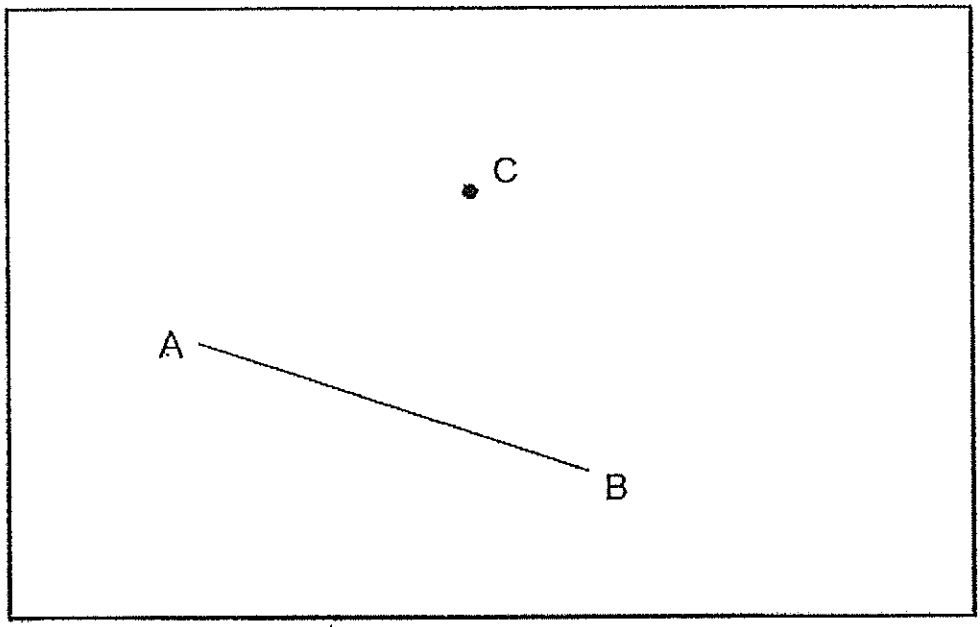
Ans : _____

39. The mass of a bag of sugar is 200 g. The mass of a bag of flour is 600 g. Mrs Foo wants to buy an equal amount of sugar and flour. What is the least number of bags of sugar that she should buy?

Do not write in this space

Ans : _____

40. In the box below, draw a line parallel to line AB that passes through point C.



Section C: (20 marks)

Solve the following problems. All mathematical working and statements must be shown clearly.

Do not write in this space

41. $\frac{3}{10}$ of the members in a judo class are foreigners. The rest are Singaporeans. There are 56 more Singaporeans than foreigners. How many foreigners are there in the judo class?

Ans : _____ [3]

42. Mr Pang bought 26 baskets of durians. Each basket contained 48 durians. He sold 136 durians. Then he packed the remaining durians equally into 8 boxes. How many durians were there in each box?

Ans : _____ [3]

43. Lilian used $\frac{9}{10}\ell$ of water to water her plants. Gemma used $\frac{1}{5}\ell$ of water less than Lilian. How much water did both of them use altogether? Express your answer as a mixed number in its simplest form.

Do not write in this space

Ans : _____ [3]

44. Every week, Kumar delivered 14 cartons of milk while Leon delivered 16 cartons of milk. In how many weeks' time would they take to deliver a total of 120 cartons of milk?

Ans : _____ [3]

45. The total cost of 2 identical cups, 3 identical plates and 1 bowl is $116. The total cost of 3 such plates and the bowl is $64. The cost of 1 cup is twice as much as the cost of 1 plate. What is the total cost of the 3 plates?

Do not write in this space

Ans : _____ [4]

46. Mrs Tayler had the same number of rings, necklaces and bracelets in her shop. After selling 439 necklaces and buying 125 bracelets, she had 7 times as many bracelets as necklaces. How many rings did she have?

Do not write in this space

Ans : _____ [4]

END OF PAPER

Ans

EXAM PAPER 2015

SCHOOL : CHIJ

SUBJECT : P4 MATHEMATICS

TERM : SA1

ORDER CALL : MR GAN @ 92998971 92475053 86065443

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

21) 20 – 1 = 19

22) 30016

23) 24208

24) 75412

25) 300 ÷ 9 = 33

33 + 1 = 34

26) 50050 – 8950 = 41100

27) 4 = 36/9

36/9 – 3/9 = 33/9

33/9 – 2/9 = 31/9

Ans: 3 4/9 m

28) 120 – 26 = 94

94 + 120 = 214

214 x 30 = 6420

29) 16 ÷ 4 = 4

4 x 3 = 12

12 – 4 = 8

30) 76°

31) 45 + 35 = 80

35/80 = 7/16

32) 60 ÷ 12 = 5

5 + 4 = 9

60 – 9 = 51

33) 375 + 225 + 350 = 950

34) 200 ÷ 5 = 40

40 x 3 = 120

35) Multiples of 4 : 4, 8, 12, 16, 20, 24 , 28, 32, 36, 40, 44, 48, 52, 56

Multiples of 7 : 7, 14, 21, 28, 35, 42, 49, 56

Ans: 56

36) 149 – 23 = 126

126 ÷ 3 = <u>42</u>

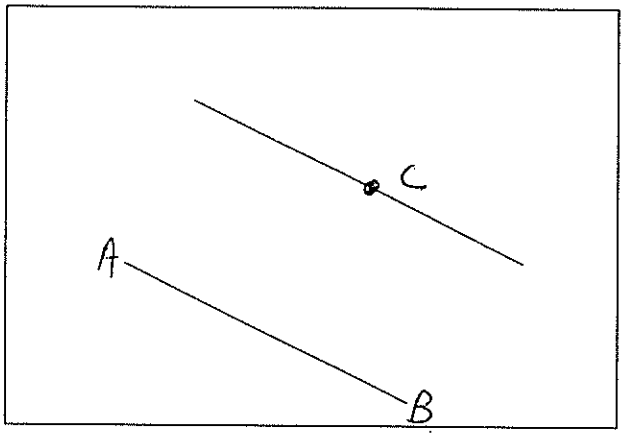
37) <u>South</u>

38) 51 ÷ 3 = 17

17 x 4 = <u>68</u>

39) <u>3</u>

40)



41) 4u = 56

1u = 56 ÷ 4 = 14

14 x 3 = <u>42</u>

42) 26 x 48 = 1248

1248 – 136 = 1112

1112 ÷ 8 = <u>139</u>

43) 1/5 = 2/10

9/10 – 2/10 = 7/10

7/10 + 9/10 = 16/10

16/10 = <u>1 3/5</u>

44) 14 + 16 = 30

<u>120 ÷ 30 = 4</u>

45) 116 – 64 = 52

1u = 52 ÷ 4 = 13

13 x 3 = <u>39</u>

46) 6u = 439 + 125 = 564

1u = 564 ÷ 6 = 94

94 + 439 = <u>533</u>