CATHOLIC HIGH SCHOOL
MID-YEAR EXAMINATION 2015
MATHEMATICS
PRIMARY 3

Name :_____

Class: Primary 3 _____

Date: 13 May 2015

Duration: 1 h 45 min

Parent's Signature: _____

Section A		30
Section B		34
Section C		16
Total Marks		80

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

For section A, shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 16 printed pages.

SECTION A: Multiple-Choice Questions (30 marks)

Questions 1 to 15 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 (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). **SHADE** the oval completely. All diagrams are not drawn to scale.

1.
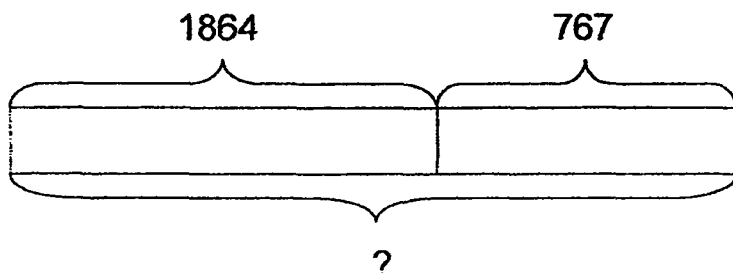
Find the missing number shown in the model above.

(1)   1097
(2)   1103
(3)   2521
(4)   2631   (   )

2. $6 \times 2 = $ _____

(1)   6 + 2,
(2)   2 + 2-
(3)   6 + 6
(4)   6 – 2   (   )

3.   894 less than 2354 is _____ .

(1)   1460
(2)   2460
(3)   3540
(4)   3248   (   )

4. Find the sum of 984 and 1326.

   (1) 342
   (2) 1662
   (3) 2300
   (4) 2310   (   )

5. Find the difference in value between 56 tens and 321.

   (1) 239
   (2) 265
   (3) 377
   (4) 881   (   )

6. The table below shows the cartoon programme listing on Cartoon Channel.

Time	Cartoon Programme
1.00 p.m. to 2.00 p.m.	Princess and her Kittens
2.00 p.m. to 2.30 p.m.	Adventures of Mighty Mouse
2.30 p.m. to 4.00 p.m.	The Tale of Happy Hippo
4.00 p.m. to 5.00 p.m.	Alien Explorations

   Which cartoon programme lasts only half an hour ?

   (1) Alien Explorations
   (2) Princess and her Kittens
   (3) The Tale of Happy Hippo
   (4) Adventures of Mighty Mouse   (   )

2

7. Which one of the following numbers will not have a remainder when divided by 5?

    (1)   234
    (2)   350
    (3)   482
    (4)   671   (   )

8. 9 groups of 8 = 24 + _____ groups of 8.

    (1)   6
    (2)   48
    (3)   3
    (4)   72   (   )

9. Find the missing digit.

$$\begin{array}{r} 1\ 1\ 8\ 9 \\ 4\overline{)4\ \boxed{?}\ 5\ 6} \end{array}$$

    (1)   1
    (2)   7
    (3)   3
    (4)   4   (   )

10. Tom and Harry share some cards. Tom has 643 more cards than Harry. Harry has 3290 cards. How many cards does Tom have?

    (1)   3292
    (2)   3453
    (3)   3833
    (4)   3933   (   )

11. I have a digit 4 in the ones place.
I am greater than 40 hundreds.
The digit in my ones place is twice the digit in my hundreds place.
What number am I?

    (1)   3284
    (2)   4492
    (3)   5294
    (4)   5894   (   )

12. Caroline had $450. She spent $189 on a pair of shoes.
How much money had she left?

    (1) $261
    (2) $279
    (3) $339
    (4) $639   (   )

13. Willy has $257. He has $55 more than Kyle.
How much money does Kyle have?

    (1) $202
    (2) $312
    (3) $459
    (4) $569   (   )

14. Mrs Tan finished her cooking lesson at 3 p.m.
She started her lesson 5 hours ago.
At what time did she start her cooking lesson?

    (1)   8 a.m.
    (2)   8 p.m.
    (3)   10 a.m.
    (4)   10 p.m.   (   )

15. Sally uses 10 beads to make a bracelet.
    She wants to make 8 such bracelets but is short of 17 beads.
    How many beads does she have?

    (1)   63
    (2)   80
    (3)   97
    (4)   136   (   )

SECTION B: Open-ended Questions (34 marks)

Questions 16 to 21 carry 1 mark each. Questions 22 to 35 carry 2 marks each. Show your working clearly in the space provided and write the correct answers in the answer boxes provided.

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16. Write nine thousand and ninety in numerals.

                                        Ans: [   ]

17. In 8740, the digit _____ is in the tens place.

                                        Ans: [   ]

18. Find the missing number in the blank.

    $8917 = 8000 + \underline{\hspace{2cm}} + 10 + 7$

                                        Ans: [   ]

5

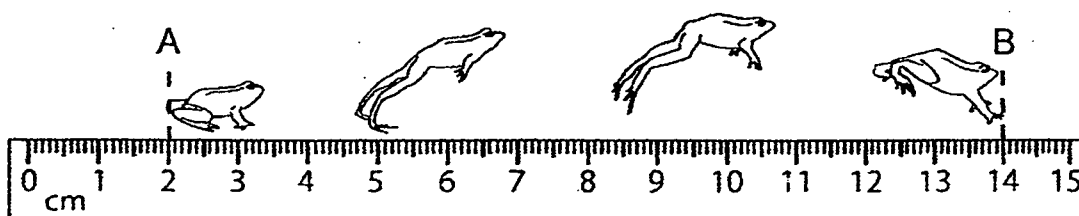19. Arrange the following numbers in order, beginning with the smallest.

3311 ,   1311 ,   3113 ,   1131

Ans:

smallest   greatest

20. A frog jumped from Point A to Point B.
What is the distance between Point A and B?

Ans:

21. Use the following digits to form the smallest 4-digit even number.
All the digits must be used and each digit can only be used once.

4	6	1	9

Ans:

22. What is the product of 47 and 6?

Ans: [   ]

23. In the number pattern below, find the missing number in the blank.

9500 , 9250 , 9000 , _____ , 8500 , 8250

Ans: [   ]

24. Find the quotient when 5409 is divided by 9.

Ans: [   ]

7

25. Part of a number line is shown below.

What is the value of the reading at X?
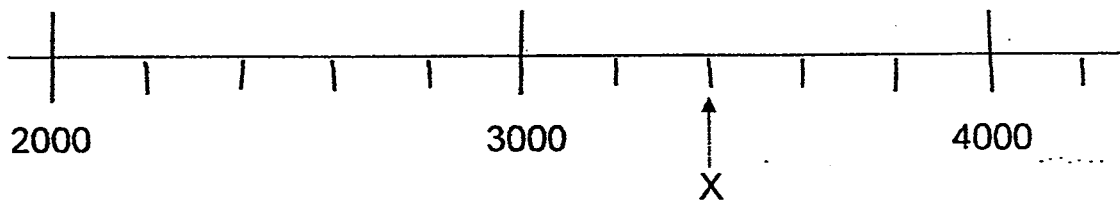
Ans: [ ]

26. Belle mixed 23 ℓ of orange syrup with 45 ℓ of water to make orange drink for a party. How many litres of orange drink did she make?

Ans: [ℓ]

27. Tommy and Raphael shared some game cards equally. After Tommy gave 21 game cards to Raphael, how many more game cards did Raphael have than Tommy?
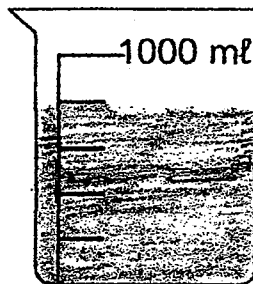
Ans: [ ]

28. Hall A has twice as many chairs as Hall B. There are 426 chairs in both halls. How many chairs are there in Hall B?

Ans: [ ]

29. Look at the diagrams below.

Some water from Container A is being poured equally into 2 cups
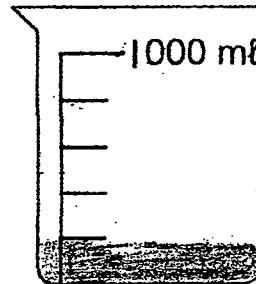
Container A
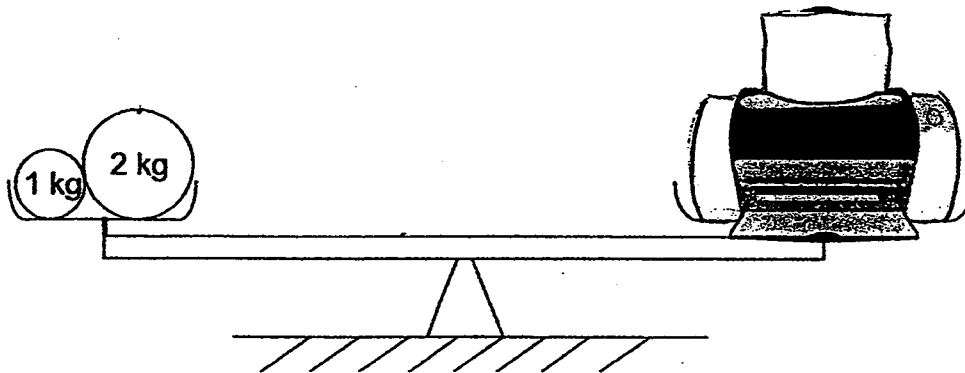(Before pouring)

Container A
(After pouring)

How many millilitres of water is poured into each cup?

Ans: [ ] ml

30. The mass of a printer is measured using a balance as shown in the diagram. Find the mass of 2 such printers.

Ans: [   ] kg

31. Ali jogged 332 m a day. What was the total distance he jogged from Monday to Sunday in a week?

Ans: [   ] m

32. Collin bought 1231 stamps. Joseph bought 449 fewer stamps than Collin. How many stamps did Joseph buy?

Ans: [   ]

33. Dario bought 18 packets of potato chips.
He planned to eat a packet of chips every 3 weeks.
How many weeks would he take to finish eating all the packets of
potato chips?

Ans: [   ]

34. 3 files cost as much as a storybook.
1 such file and storybook cost $36.
Find the cost of 1 file.

Ans: $ [   ]

35. At a carnival, 2 stamps are given for every packet of milk bought.
6 stamps are needed to get a toy.
How many packets of milk have to be bought to get 3 toys?

Ans: [   ]

SECTION C: Story Sums (16 marks)

Questions 36 to 39 carry 3 marks each. Question 40 carries 4 marks.
Solve the following story sums. All workings must be shown clearly.
Draw models if necessary.

36. Rick has 279 purple crystals and 204 green crystals. He put all the crystals together and placed them equally into 7 jars.
How many crystals are there in each jar?

Ans: _____ [3]

37 Paul collected thrice as many stickers as Joseph. Kendrick collected twice as many stickers as Paul. Kendrick collected 75 more stickers than Joseph. How many stickers did Paul collect?

Ans: _____[3]

38. Mrs Chew baked some cookies for a carnival. She packed some cookies into bags of 8 cookies each and kept 50 cookies for her family. She had 420 bags of cookies. How many cookies did she bake?
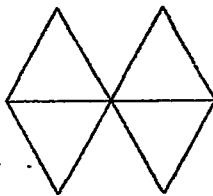
Ans: _____ [3]

39. Nelly spent $840 on a handbag, a wallet and a belt.
    The handbag costs $300 more than the wallet.
    The wallet costs $54 more than the belt.
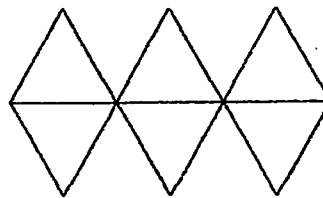   How much did Nelly spend on the belt?

Ans: _____ [3]

40. Sticks are arranged to form the patterns below.
Study the pattern of the figures as shown.
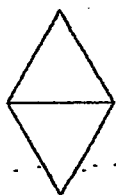
Pattern 1   Pattern 2   Pattern 3

Pattern	Number of sticks used
1	5
2	10
3	15

(a) Draw Pattern 4 in the space below. [2]

(b) How many sticks are needed for Pattern 13?

Ans: _____ [2]

END OF THE PAPER.
Have you checked your work?

EXAM PAPER 2015
LEVEL   : PRIMARY 3
SCHOOL   : CATHOLIC HIGH SCHOOL
SUBJECT : MATHS
TERM   : SA1

Q 1	Q 2	Q 3.	Q 4	Q 5	Q 6	Q 7	Q 8	Q 9	Q 10
4	3	1	4	1	4	2	1	2	4
Q 11	Q 12	Q 13	Q 14	Q 15					
3	1	1	3	1					

Q16. 9090   Q17. 4   Q18. 900   Q19. 1131, 1311, 3113, 3311

Q20. 12cm   Q21. 1496   Q22. 282

Q23. 8750 → 9000 – 250 = 8750   Q24. 601 → 5409 ÷ 9 = 601

Q25. 3400 → 1000=5u, 1u=1000÷5=200, 2u=20 x2 =400, 3000+400=3400

Q26. 68 litre → 23 + 45 = 68   Q27. 42 → 21 x 2 = 42

Q28. 142 → 426 ÷ 3 = 142

Q29. 300ml → 1U = 1000÷5 = 200, 3U = 200 x 3 = 600, 600 ÷ 2 = 300

Q30. 6kg   Q31. 2324m → 332 x 7 = 2324   Q32. 782 → 1231 – 449 = 782

Q33. 54 → 18 x 3 = 54   Q34. $9 → 36 ÷4 = 9

Q35. 9 → 6÷2=3. 6x3=18, 3x3=9

Q36. 69 → 279 + 204 = 483, 483÷7=69

Q37. 45 → 1U =75÷5=15, 3U = 15 X 3 = 45

Q38. 3410 →420 X 8 = 3360, 3360 + 50 = 3410

Q39. $144 →300 + 54 + 54 = 408, 840–408=432, 432÷3=144.

Q40. SEE PICTURE   Q40. 65 → 13 x 5 = 65