



**CATHOLIC HIGH SCHOOL
END-OF-YEAR EXAMINATION 2014
MATHEMATICS
PRIMARY 3**

Name : _____ ()

Class: Primary 3 _____

Date: 31 October 2014

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.

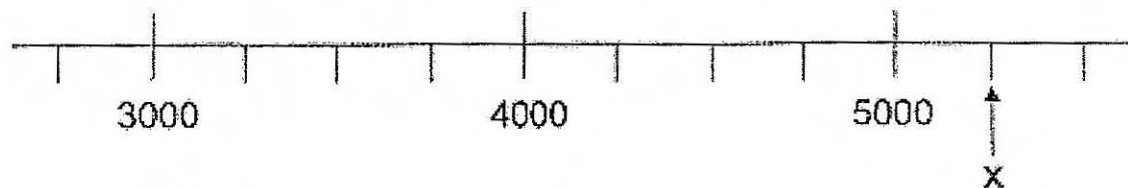
For section A, shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 19 printed pages.

SECTION A: Multiple-Choice Questions (15 x 2 marks)

For each of the question from 1 to 15, 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).

1. Part of a scale is shown below. What is the value of the reading at X?



- (1) 5001
(2) 5100
(3) 5250
(4) 5500

()

2. What is the product of 39 and 7?

- (1) 46
(2) 163
(3) 213
(4) 273

()

3. Find the sum of 3998 and 465.

- (1) 4353
(2) 4363
(3) 4453
(4) 4463

()

4. _____ less than 2439 is 2290.

- (1) 149
(2) 249
(3) 4629
(4) 4729

()

5. Adrian finished doing his homework at 1 p.m.
He started doing his homework 2 hours ago.
At what time did he start to do his homework?

- (1) 11 a.m.
(2) 11 p.m.
(3) 3 a.m.
(4) 3 p.m. ()

6. What is the missing digit in the box?

$$\begin{array}{r} 1 \square 5 \\ \times \quad 7 \\ \hline 875 \end{array}$$

- (1) 1
(2) 2
(3) 3
(4) 4 ()

7. There is 703 ℓ of water in a tank. 209 ℓ of water was poured away.
How much water was left in the tank?

- (1) 494 ℓ
(2) 506 ℓ
(3) 902 ℓ
(4) 912 ℓ ()

8. _____ – 200 = 40 tens
What is the missing number in the blank?

- (1) 160
(2) 200
(3) 240
(4) 600 ()

9. Find the difference in value between 14 hundreds and 29 tens.

- (1) 111
- (2) 150
- (3) 1110
- (4) 1371

()

10. $7 \times 8 = \underline{\hspace{2cm}} + 8 + 8$.

What is the missing number in the blank?

- (1) 15
- (2) 16
- (3) 40
- (4) 56

()

11. $42 = 4$ groups of 6 + $\underline{\hspace{2cm}}$ groups of 6.

- (1) 18
- (2) 2
- (3) 3
- (4) 24

()

12. The cost of 2 pineapples is \$6. What is the cost of 10 pineapples?

- (1) \$12
- (2) \$30
- (3) \$3
- (4) \$60

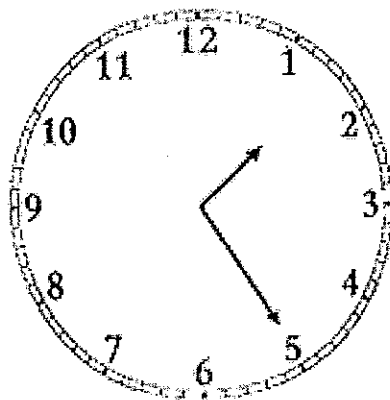
()

13. Which one of the following numbers will have a remainder when divided by 3?
- (1) 198
(2) 263
(3) 354
(4) 471 ()
14. Elijah bought 491 paper clips. Lily bought 67 paper clips more than Elijah. How many paper clips did Lily buy?
- (1) 145
(2) 212
(3) 357
(4) 558 ()
15. Raymond and Johnny shared a sum of money equally. After Raymond spent \$56 and Johnny received \$56 from his mother, Johnny had \$130. How much money did Raymond have in the end?
- (1) \$18
(2) \$74
(3) \$112
(4) \$242 ()

SECTION B: Open-ended Questions (6x 1mark and 14x 2marks)

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.

16. Look at the following clock. What time does the clock show?



Ans: p.m.

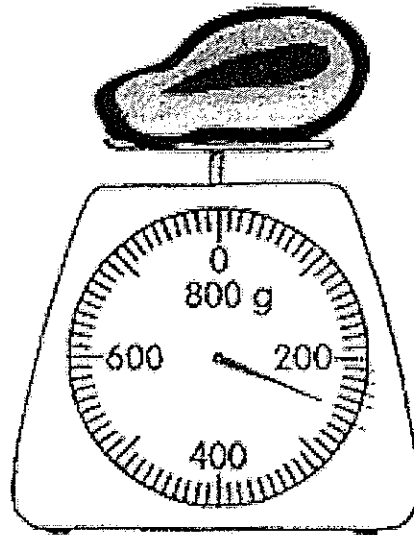
17. What is the value of digit 9 in 8961?

Ans:

18. Write six thousand, three hundred and five in numerals.

Ans:

19. A papaya is placed on a weighing scale.



What is the mass of the papaya?

Ans:

g

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

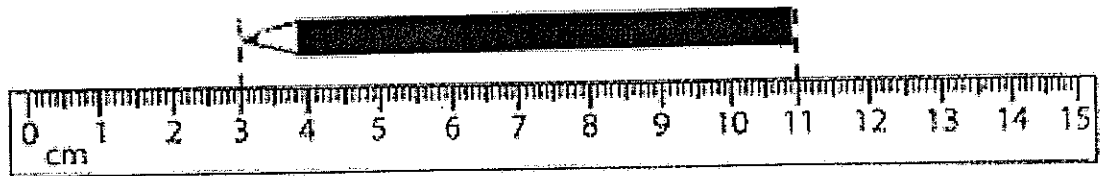
4240 , 4204 , 4024 , 4420

Ans:

smallest

greatest

21. What is the length of the pencil?



Ans:

cm

22. Lance has 480 cards. Bobby has 570 cards. How many more cards does Bobby have than Lance?

Ans:

23. Use the following digits to form the greatest 4-digit odd number. All the digits must be used and each digit can only be used once.

7

0

9

3

Ans:

24. There were 9 boxes in a room. Each box contained 509 books. One book was taken out from each of the boxes. What was the total number of books left in the boxes?

Ans:

25. Mary has 278 marbles. Sally has twice as many marbles as Mary. How many marbles does Sally have?

Ans:

26. Find the missing number in the blank below.

2326 , _____ , 2106 , 1996 , 1888 , 1776

Ans:

27. Tom's clock shows 2.30 p.m. His clock is 1 hour slow. What is the actual time?

Ans:

p.m.

28. Study the diagram below.



Find the total distance from Point A to Point C along the path shown.

Ans:

m

29. Ethan bought 438 erasers at 3 for \$1. How much did he pay for the erasers?

Ans: \$

30. Johnny has a certain number of coins. He packs the coins into bags of 8 with no left over. As a result, he has 161 bags of coins. How many coins does Johnny have?

Ans:

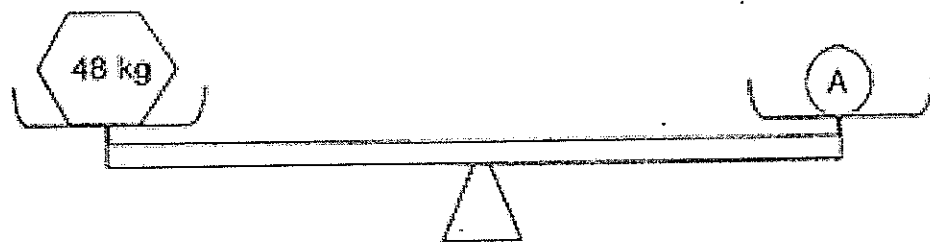
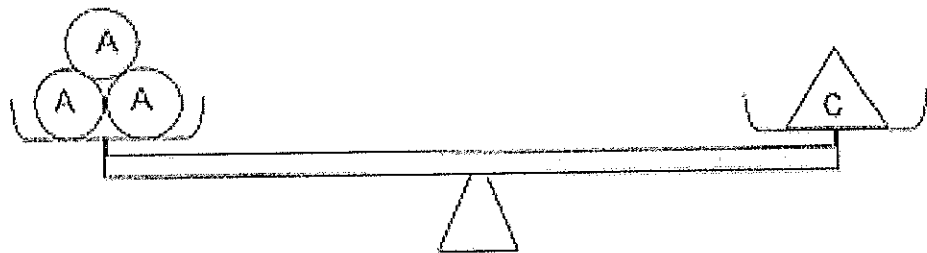
31. Tom and James shared \$156. Tom had three times as much money as James. How much money did James have?

Ans: \$

32. Fred has 72 stamps. Greg has twice as many stamps as Fred. Hansen has thrice as many stamps as Greg. How many stamps does Hansen have?

Ans:

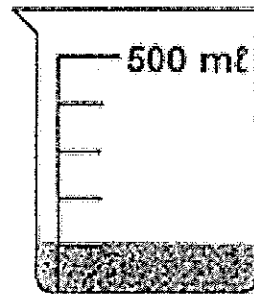
33. What is the mass of  ?



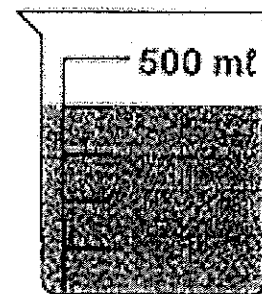
Ans:

 kg

34. Look at the diagrams below. Containers A and B contain some water.



Container A



Container B

How much water must be poured from Container B into Container A so that both containers have the same amount of water?

Ans:

ml

35. Clement and David shared some marbles equally. After Clement gave 39 marbles to David, how many more marbles did David have than Clement?

Ans:

SECTION C: Story Sums (4 x 3 marks and 1 x 4 marks)

**Solve the following story sums. All workings must be shown clearly.
Draw models if necessary.**

36. Collin and Jacob share 3000 beads. Jacob has 450 beads less than Collin. How many beads does Jacob have?

Ans: _____ [3]

37. A fruit seller had 1999 fruits. He sold 643 fruits and packed the remaining fruits equally into 3 boxes. How many fruits were there in each box?

Ans: _____ [3]

38. Keith was packing candies into 5 bags. He wanted to pack 35 candies into each bag but he was short of 15 candies. How many candies did Keith have?

Ans: _____ [3]

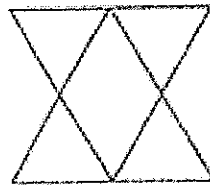
39. Ben collected 675 bottle caps.
He collected 412 more bottle caps than Cedric.
Daniel collected 862 more bottle caps than Cedric.
How many bottle caps did Daniel collect?

Ans. _____ [3]

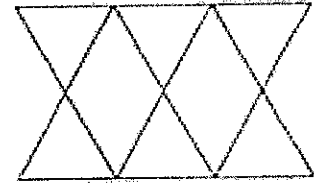
40. Sticks are arranged to form identical triangles in the following patterns.



Pattern 1



Pattern 2



Pattern 3

Pattern Number	Number of sticks
1	6
2	12
3	18

- (a) Draw Pattern 4 in the space below.

[2]

- (b) How many sticks are needed for Pattern 10?

Ans: (b) _____ [2]

END OF THE PAPER

YEAR: 2014
 LEVEL: P3
 SCHOOL: CATHOLIC HIGH
 SUBJECT: MATHEMATICS
 SEMESTER: SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	4	4	1	2	1	4	3	3

Q11	Q12	Q13	Q14	Q15
3	2	2	4	1

16. 1.25
17. 900
18. 6305
19. 250
20. 4024, 4204, 4240, 4420
21. 8
22. 90
23. 9703
24. 4572
25. 556
26. 2216
27. 3.30
28. 963
29. 146
30. 1288
31. 39
32. 432
33. 144
34. 150
35. 78

36. $3000 - 450 = 2550$
 $2550 \div 2 = 1275$

Ans: 1275

37. $1999 - 643 = 1356$
 $1356 \div 3 = 452$

Ans: 452

38. $35 \times 5 = 175$

$175 - 15 = 160$

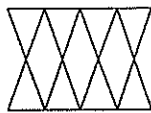
Ans: 160

39. $675 - 412 = 263$

$263 + 862 = 1125$

Ans: 1125

40. a)



b) $6 \times 10 = 60$

Ans: 60