21

CATHOLIC HIGH SCHOOL

SEMESTRAL ASSESSMENT TWO (2017)

PRIMARY THREE

MATHEMATICS

Name : _____( )

Class : Primary 3 _____

Date : 30 October 2017

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 18 printed pages excluding the cover page.

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SECTION A (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).
All diagrams are not drawn to scale.

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1. What is six thousand, six hundred and six in numerals?

   (1) 6060
   (2) 6600
   (3) 6606
   (4) 6660 ( )

2. What does the digit 7 in 7653 stand for?

   (1) 7 ones
   (2) 7 tens
   (3) 7 hundreds
   (4) 7 thousands ( )

3. Which of the following numbers is the biggest odd number?

   (1) 2345
   (2) 2374
   (3) 2869
   (4) 2890 ( )

4. 3790 is _____ more than 3720.

   (1) 7
   (2) 70
   (3) 751
   (4) 7510 ( )

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5. What is the sum of 1607 and 2986?

(1) 1379
(2) 1381
(3) 3583
(4) 4593

( )

6. 9 x 2 = _____ groups of 3.

(1) 6
(2) 18
(3) 3
(4) 54

( )

7. 5 groups of 8 = _____.

(1) 5 + 8
(2) 8 + 5
(3) 8 + 8 + 8 + 8 + 8
(4) 5 x 5 x 5 x 5 x 5 x 5 x 5 x 5

( )

8. Which of the following letters has a marked angle larger than a right angle?

(1) 

(2) 

(3) 

(4) 

( )

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9. Mary bought 12 cupcakes from a bakery. How much money did she pay for the cupcakes?



6 cupcakes for $18.35

(1) $24.35
(2) $30.35
(3) $36.70
(4) $110.10 ( )

10. What is the missing number in the box?

$$\frac{3}{\boxed{?}} = \frac{9}{12}$$

(1) 6
(2) 9
(3) 3
(4) 4 ( )

11. Which of the following fractions is the greatest?

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

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12. What is the product of 5 and 830?

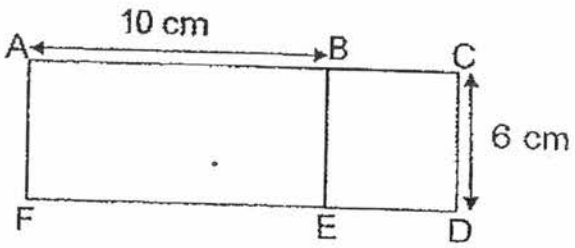
(1) 166

(2) 825

(3) 835

(4) 4150 ( )

13. The figure below is not drawn to scale. It is made up of rectangle ABEF and square BCDE. What is the perimeter of the figure?



(1) 32 cm

(2) 44 cm

(3) 50 cm

(4) 60 cm ( )

14. When a number is divided by 7, it gives a remainder of 2. Which of the following is the number?

(1) 22

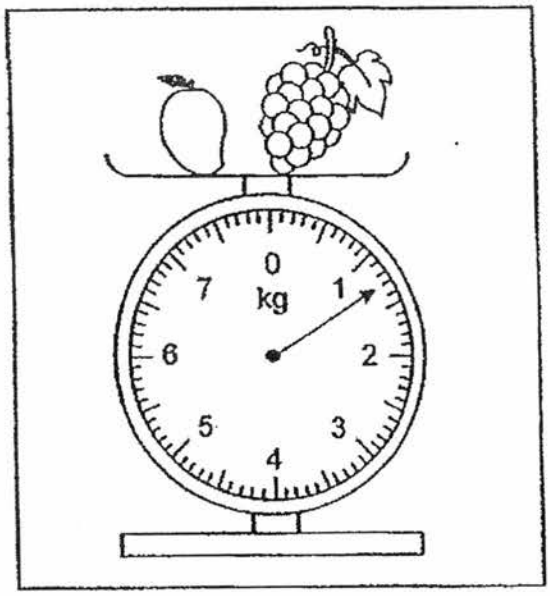
(2) 23

(3) 24

(4) 25 ( )

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15. Study the figure below carefully.



The mass of the mango is 350 g. What is the mass of the bunch of grapes?

(1) 680 g

(2) 950 g

(3) 1300 g

(4) 1650 g ( )

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SECTION B (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 and write the correct answers in the answer boxes provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

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16. Express $\frac{4}{12}$ in its simplest form.

Ans: [ ]

17. Express 64 minutes in hours and minutes.

Ans: [ ] min

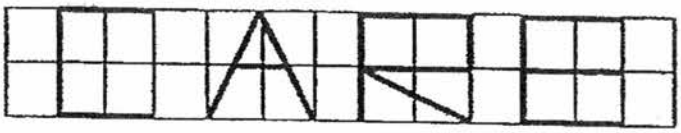
18. Complete the following number pattern.

7030 , 6530 , _____ , 5530 , 5030 , 4530

Ans: [ ]

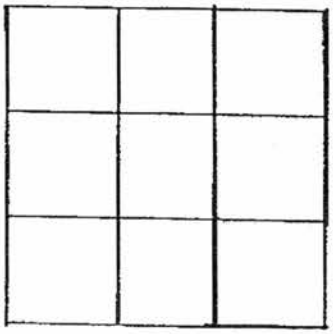
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19. In the figure below, the letters are drawn on a square grid. Which of the following letter(s) have no parallel and perpendicular lines?



Ans: _____

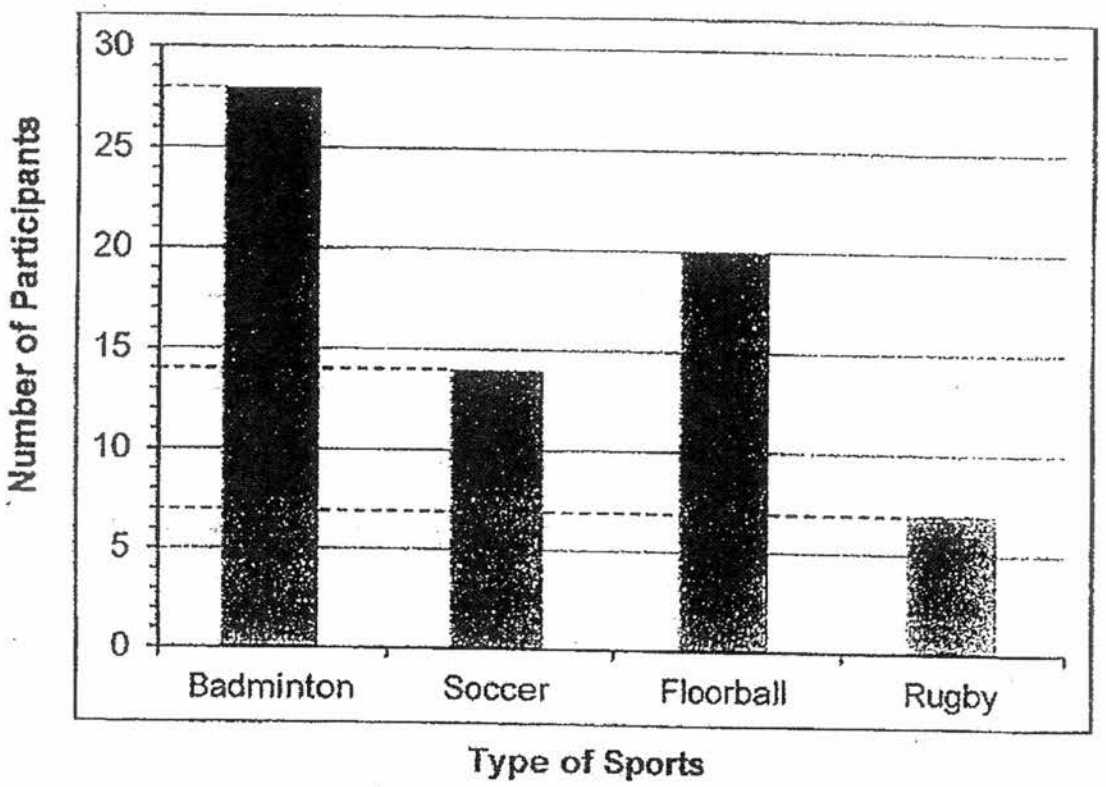
20. The figure below is made up of identical squares. John wants to shade $\frac{1}{3}$ of the figure. How many square(s) does he need to shade?



Ans: _____

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The bar graph below shows the number of participants for each sport.
Study the graph carefully and answer questions 21 and 22.



21. Which is the least popular sport?

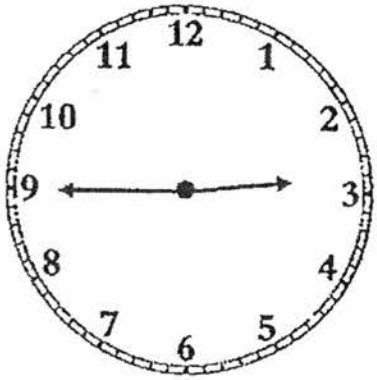
Ans: _____

22. There are twice as many participants in [?] as soccer.

Ans: _____

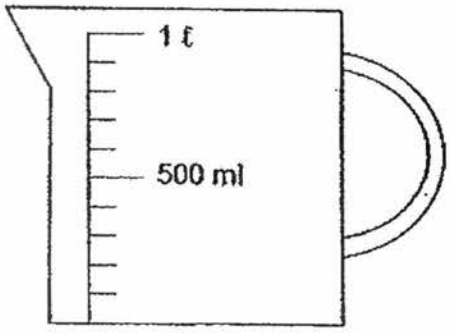
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23. Benjamin started his tennis lesson at the time shown on the clock. The tennis lesson lasted 1 h 15 min. What time did he finish his tennis lesson?

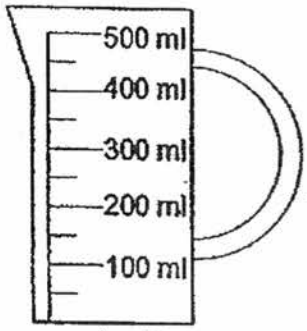


Ans: _____ p.m.

24. Study the figures below carefully.



Jar A



Jar B

How much water must be removed from Jar A so that both jars have the same amount of water?

Ans: _____ ml

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25. Find the difference between $\frac{7}{10}$ and $\frac{1}{5}$.
Leave your answer in its simplest form.

Ans: ____

26. ? $\div 8 = 3 + 3 + 3$

What is the missing number in the box?

Ans: ____

27. What is the quotient when 866 is divided by 7?

Ans: ____

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28. Peter and George had the same number of stickers. After George gave away 26 stickers and Peter bought 32 stickers, how many more stickers did Peter have than George?

Ans: [ ]

29. Mrs Tan baked 49 muffins. She packed the muffins equally into 6 boxes and had 1 muffin left. How many muffins did she pack in one box?

Ans: [ ]

30. Jenny bought a dress and a blouse. She paid $144.80 for the dress. The dress cost $24.50 more than the blouse. How much did she pay for the blouse?

Ans: [$]

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31. Mrs Ang had 830 balloons at a party. She tied the balloons equally into 9 bundles. How many balloons were left untied?

Ans: ____

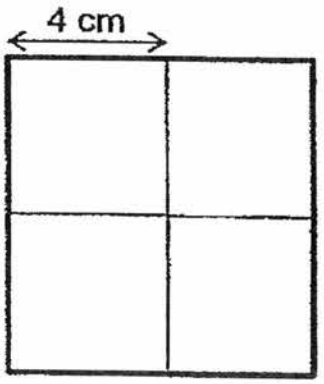
32. Fill in the missing digit in each box.

$$\begin{array}{r} 9\ 1\ 4\ \boxed{(a)} \\ -\ \boxed{(b)}\ 6\ 5\ 8 \\ \hline 1\ 4\ 8\ 4 \end{array}$$

Ans: (a) ____

(b) ____

33. The figure below is not drawn to scale. It is made up of a big square with 2 identical small grey squares in it. Each side of the small grey square is 4 cm. What is the area of the figure?



Ans: ____ cm^2

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34. Jason has 60 more cards than Frankie. Frankie has 28 fewer cards than Glenn. How many more cards does Jason have than Glenn?

Ans: [ ]

35. David has thrice as many stamps as Eugene. David has 14 more stamps than Eugene. How many stamps did the boys have altogether?

Ans: [ ]

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SECTION C (16 marks)

For Questions 36 to 40, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. All diagrams are not drawn to scale.

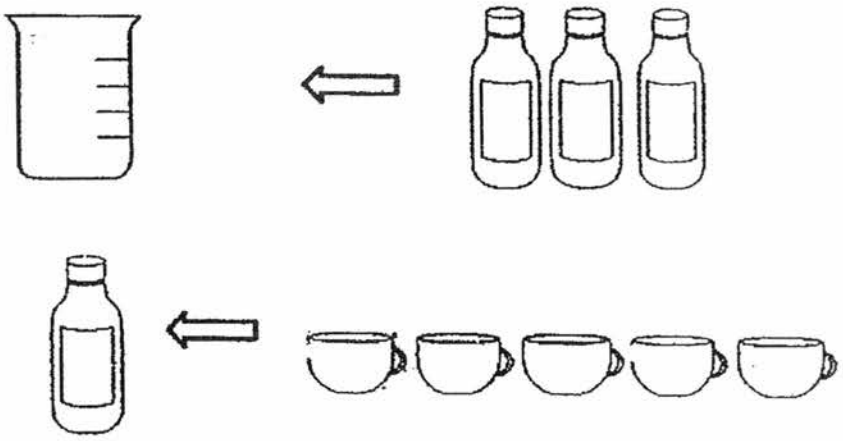
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36. Sam has 8 boxes of 4 toy planes each.
His brother has twice as many toy planes as Sam.
How many toy planes does Sam's brother have?

Ans: _____ [3]

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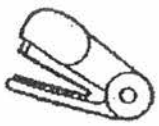
37. The capacity of a beaker is 210 ml.
3 identical bottles of water can fill the beaker completely.
5 identical cups of water can fill a bottle completely.
What is the capacity of a cup?



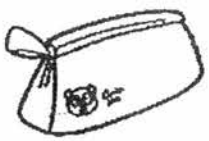
Ans: _____ [3]

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38. The picture below shows some of the items that could be found in a bookshop.



Stapler
$6.80



Pencil case
$9



Storybook
$12.20



Crayons
$7

Andy bought 2 different items from the bookshop.
He paid using a fifty-dollar note and received $36.20 as change.
What were the two items that Andy bought?

Ans: _____ [3]

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39. According to Melvin's watch, he left home for school at 7.05 a.m. His watch was 15 minutes slow. He took 20 minutes to reach school. He had his recess 2 h 40 min after he arrived in school.

(a) What was the actual time Melvin left home?

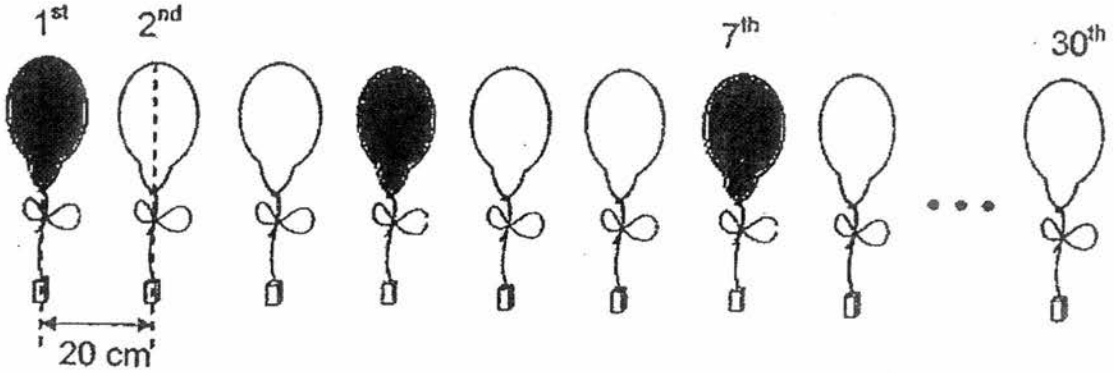
(b) What was the actual time for Melvin's recess?

Ans: (a) _____ [1]

(b) _____ [2]

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40. At a party, 30 black and white balloons were placed in a straight line. The distance between the strings tied to each balloon was equal. The distance between the string tied to the 1st balloon and the 2nd balloon was 20 cm. There were 2 white balloons after every black balloon.



(a) What was the distance between the 1st balloon and the 7th balloon?

(b) How many white balloons were used?

Ans: (a) _____ [1]

(b) _____ [3]

- END OF THE PAPER-

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EXAM PAPER 2017 (P3)

SCHOOL :CATHOLIC HIGH

SUBJECT : MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	3	2	4	1	3	1	3	4
Q11	Q12	Q13	Q14	Q15					
4	4	2	2	2					

16)1/3 17)1 h 4 min 18)6030 19)A 20)3 21)Rugby

22)Badminton 23)4.00 p.m. 24)150 ml 25) ½ 26)72

27)123 28)58 more stickers 29)8 muffins 30)$120.30

31)2 balloons 32)a)2 b)7 33)64 cm2 34)32 cards

35)28 stamps

36)4 x 8 = 32

32 x 2 = 64

He has 64 toy planes.

37)210 ÷ 3 = 70

70 ÷ 5 = 14 ml

The capacity of a cup is 14 ml

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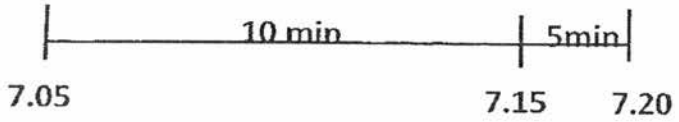
38)50.00 – 36.20 = 13.80

6.80 + 9.00 = 15.80

6.80 + 7.00 = 13.80

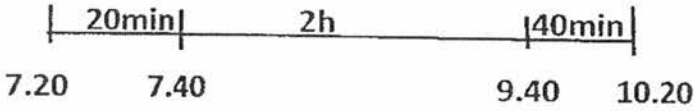
Andy bought the stapler and the Crayons.

39)a)



He left home at 7.20 a.m.

b)



a)7.20 a.m.

b)10.20a.m.

40)a)7 – 1 = 6

20 x 6 = 120 cm

b)30 ÷ 3 = 10

10 x 2 = 20 white balloons

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