CATHOLIC HIGH SCHOOL
CA1 EXAMINATION 2017
MATHEMATICS
PRIMARY 5

Name :_____(   )

Class: Primary 5 _____

Date: 28 February 2017

Duration: 1 h 30 min

Parent's Signature: _____

Section A	16
Section B	20
Section C	14
Total Marks	50

There are 3 sections consisting of **12 pages** in this paper.

Questions 1 to 6 carry 1 mark each. Questions 7 to 11 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make you choice (1, 2, 3 or 4). Shade the correct oval on the Optical Answer Sheet.

(16 marks)

1. $224\,920 = 200\,000 + \boxed{} + 4000 + 900 + 20$

    What is the missing number in the box?

    (1) 20
    (2) 200
    (3) 2000
    (4) 20 000

2. Find the value of $90\,000 \div 100$.

    (1) 90
    (2) 900
    (3) 9000
    (4) 90 000

3. Find the product of $\frac{1}{4}$ and $\frac{8}{9}$

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

    (2) $\frac{9}{32}$

    (3) $\frac{9}{13}$

    (4) $\frac{7}{5}$

4. $2000 + 800 = 2000 + 100 \boxed{} 8$

What is the missing symbol in the box?

(1) $+$
(2) $-$
(3) $\times$
(4) $\div$

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5. Germaine ran $\frac{7}{9}$ km. Hendrick ran $\frac{2}{3}$ km less than Germaine. How far did Hendrick run?

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

(2) $\frac{14}{27}$ km

(3) $\frac{5}{6}$ km

(4) $\frac{13}{9}$ km

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6. 5 pies were shared equally among 3 children. How many pies did each child get?

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

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

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

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

(Go to the next page)

7. There were 200 people at a fun fair. 120 were children and the rest were adults. $\frac{3}{8}$ of the adults were men. How many women were there?

   (1) 30
   (2) 50
   (3) 75
   (4) 80

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8. Alice used 3 ℓ of paint to colour her drawing. Belinda used $\frac{1}{4}$ ℓ more than Alice to colour her drawing. How many litres of paint did they use altogether?

   (1) $3\frac{1}{4}$ ℓ

   (2) $3\frac{1}{2}$ ℓ

   (3) $6\frac{1}{4}$ ℓ

   (4) $6\frac{1}{2}$ ℓ

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9. James spent $\frac{2}{5}$ of his money on transport and $\frac{1}{3}$ of it on food. What fraction of his money had he left?

   (1) $\frac{2}{15}$

   (2) $\frac{4}{15}$

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

   (4) $\frac{11}{15}$

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10. Melissa had 80 toy cars. $\frac{7}{10}$ of the toy cars are red and the remaining toy cars are blue and green. There are twice as many blue cars as green cars. How many blue cars are there?

    (1) 8
    (2) 16
    (3) 24
    (4) 56

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11. Mrs Koh is 4 times as old as John now. In 5 years time, the sum of their ages is 55 years. How old is John now?

    (1) 9 years old
    (2) 10 years old
    (3) 11 years old
    (4) 14 years old

----END OF SECTION A----

Section B
Questions **12** to **21** carry **2** marks each. Write your answers in the space provided. For questions which require units, give your answers in the unit stated.

(20 marks)

12. Write seven million, seventy-seven thousand and seventy in figures.

Ans: _____

13. Find the value of 7000 × 50.

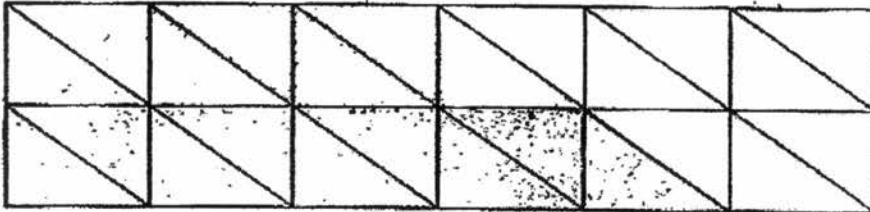Ans: _____

14. What is the value of 480 ÷ (7 × 5 – 5) – 15 ?

Ans: _____

(Go to the next page)

15. Jenson bought $\frac{1}{3}$ kg of fish balls and cooked $\frac{3}{4}$ of it How many kilograms of fish balls did he cook?

Ans: _____ kg

16. The figure below is made up of 24 identical triangles. Shade more triangles to show $\frac{2}{3}$ of the figure is shaded.

17. Theresa bought 4 m of cloth. She used $\frac{5}{12}$ m of cloth to make a dress and $\frac{1}{12}$ m of cloth to make a blouse. How many metres of cloth were left? Express your answer in the simplest form.

Ans: _____ m

18. 1 marker and 2 erasers cost $5.
    3 markers and 4 erasers cost $13.
    Find the cost of 1 marker.

Ans: $_____

19. Randy and Sue had 56 stickers while Randy and Tiffany had 80 stickers. Tiffany had twice as many stickers as Sue. How many stickers did Randy have?

Ans: _____

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20. Carly had 30 more erasers than Dennis. After Dennis gave 20 erasers to Carly, Carly had thrice as many erasers as Dennis. How many erasers did Dennis have now?

Ans: _____

21. Able and Berry had the same amount of money at first. After Able spent $80, Berry had 5 times as much money as Able. How much money did each of them have at first?

Ans: $ _____

—END OF SECTION B—

(Go to the next page)

Section C

For questions 22 to 25, show your working clearly and write your answers in
the space provided. The number of marks available is shown in the brackets [ ]
at the end of each question or part-question.   (14 marks)

22.   Rachel, Sean and Tommy had 248 marbles. Sean had 12 more
       marbles than Rachel and Tommy had 3 times as many marbles as
       Sean. How many marbles did Rachel have?

Ans: _____ [3]

23. Jeremiah spent $\frac{3}{5}$ of his money on some pens. He then spent $\frac{1}{4}$ of his remaining money on some pencils. He was left with $27. How much money did he have at first?

Ans: _____ [3]

(Go to the next page)

24. A muffin shop sold apple muffins at $3 each and banana muffins at $2 each. Tom bought thrice as many banana muffins as apple muffins and spent a total of $81. How much more did he spend on banana muffins than apple muffins?

Ans: _____ [4]

25. Mrs. Lim baked 76 chocolate cakes and strawberry cakes. After she gave away $\frac{1}{4}$ of the chocolate cakes and $\frac{4}{5}$ of the strawberry cakes, she was left with an equal amount of chocolate cakes and strawberry cakes. How many chocolate cakes had she left?

Ans: _____ [4]

---- END OF PAPER----

EXAM PAPER 2017 (P5)

SCHOOL : CATHOLIC HIGH SCHOOL

SUBJECT : MATHEMATICS

TERM : CA1

SECTION A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	1	4	1	4	2	3	2	2
Q11									
1									

SECTION B

Q12) 7077070

Q13) 350000

Q14) 1

Q15) ¼

Q16)

Q17) 3½

Q18) $3

Q19) 32

Q20) 35

Q21) $100

SECTION C

Q22) 5 UNITS → 12 x 4 = 48

248 − 48 = 200

1 UNIT → 200 ÷ 5 = <u>40</u>

Q23) 3 UNITS → 27

1 UNIT → 27 ÷ 3 = 9

10 UNITS → 9 x 10 = <u>90</u>

Q24) $81 ÷ $9 = 9 GROUPS

9 x $6 = $54

9 x $3 = $27

$54 - $27 = <u>$27</u>

Q25) 76 ÷ 19 = 4

4 x 3 = <u>12</u>