CATHOLIC HIGH SCHOOL
MID-YEAR EXAMINATION (2019)
PRIMARY FOUR
MATHEMATICS

Name : _____( )

Class: Primary 4 _____

Date: 14 May 2019

Duration: 1 h 45 min

Parent's Signature: _____

Section A	40
Section B	40
Section C	20
Total Marks	100

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 excluding the cover page.

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Section A

Questions **1** to **20** 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 oval (1, 2, 3 or 4) on the Optical Answer Sheet. All diagrams are not drawn to scale. (40 marks)

1. In which of the following numbers does the digit 7 have the greatest value?

   (1) 27 386
   (2) 28 673
   (3) 62 738
   (4) 68 827

   ( )

2. Which of the following numbers is 20 tens more than 8530?

   (1) 8510
   (2) 8550
   (3) 8330
   (4) 8730

   ( )

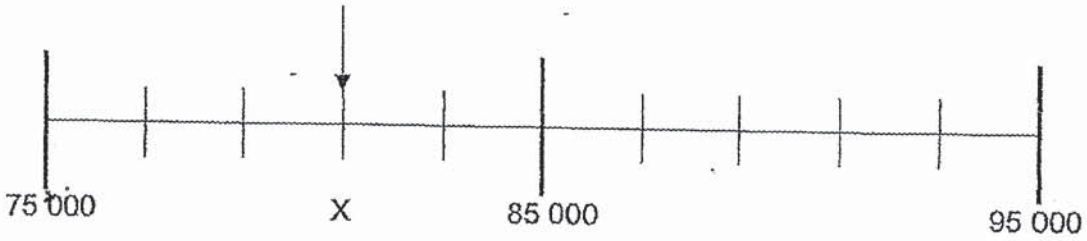
3. Which of the following numbers when rounded to the nearest thousand becomes 29 000?

   (1) 28 450
   (2) 28 045
   (3) 29 045
   (4) 29 540

   ( )

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4. Look at the number line below. The number line is marked at equal intervals. What is the value of X?



(1) 75 300

(2) 78 000

(3) 81 000

(4) 83 000

( )

---

5. What is the missing number?

7 ten thousands + 3 hundreds + 2 ones = _____

(1) 732

(2) 7032

(3) 7302

(4) 70 302

( )

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6. Which of the following is not a common factor of 42 and 48?

(1) 6

(2) 2

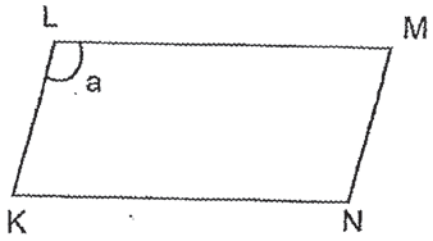
(3) 3

(4) 8

( )

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7. Which of the following is another way to name ∠a?



(1) ∠LKN

(2) ∠MLK

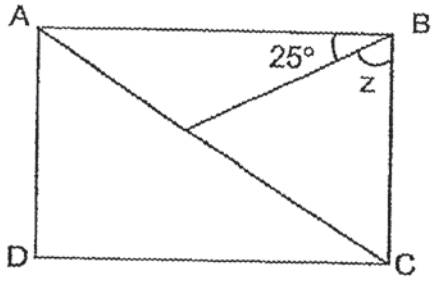
(3) ∠NKL

(4) ∠NML

( )

---

8. In the figure below, ABCD is a rectangle. Find ∠z.



(1) 20°

(2) 45°

(3) 65°

(4) 70°

( )

---

9. $\frac{3}{4}$ of a complete turn is _____ °.

(1) 45°

(2) 90°

(3) 180°

(4) 270°

( )

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10. Which one of the following letters have more than 1 line of symmetry?



(1) T

(2) H

(3) E

(4) M ( )

---

11. I am a multiple of 6.
One of my factors is 8.
I am greater than 10.
What number am I?

(1) 12

(2) 16

(3) 24

(4) 56 ( )

---

12. Find the quotient of 3152 divided by 5.

(1) 630

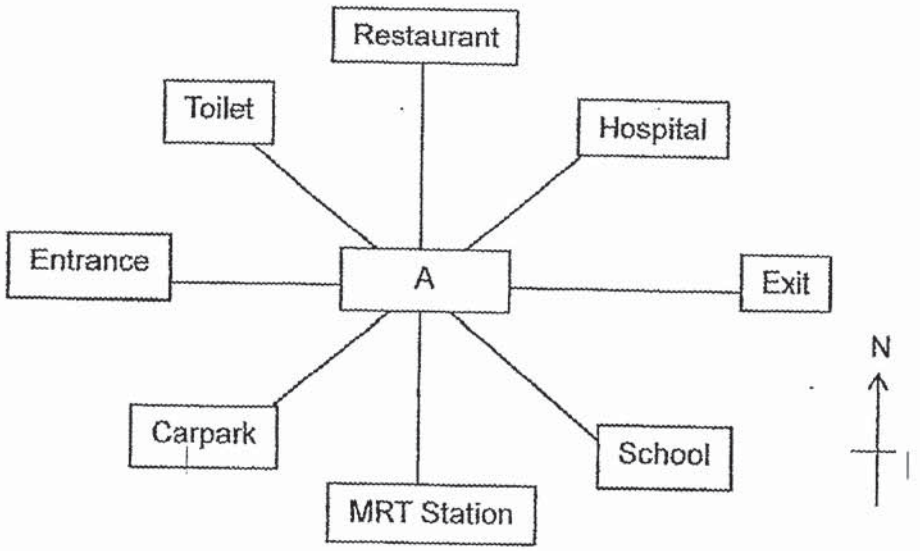
(2) 2

(3) 632

(4) 15 760 ( )

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13. Look at the 8-point compass below. Samuel is standing at point A. When Samuel turns 135° in an anticlockwise direction, he will be facing the MRT Station. Where was he facing at first?



(1) Toilet

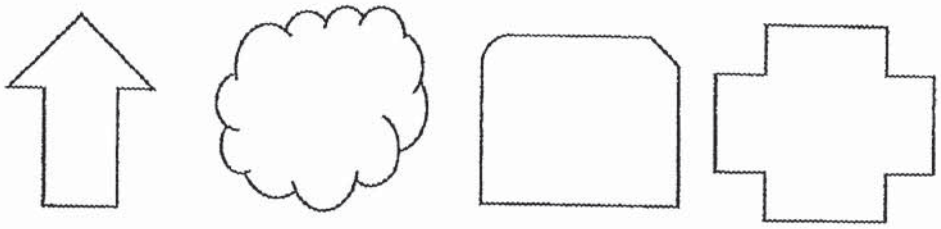
(2) Carpark

(3) Restaurant

(4) MRT Station

( )

14. Which of these following figures are symmetrical?



A B C D

(1) A and B

(2) B and C

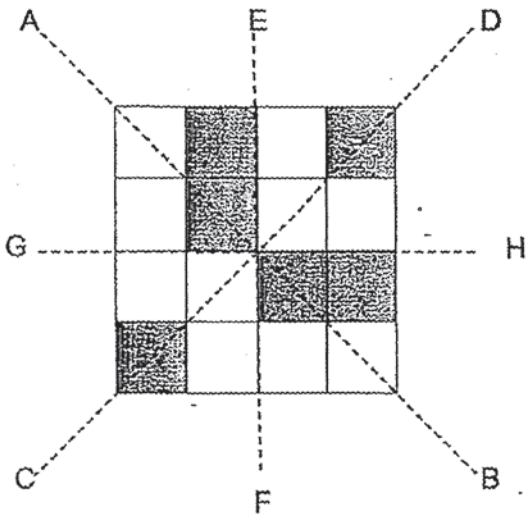
(3) A and D

(4) C and D

( )

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15. Which of the following lines is the line of symmetry for the figure shown below?



(1) AB

(2) CD

(3) EF

(4) GH ( )

---

16. A factory produced 1620 toy cars. It produced 150 fewer toys trucks than toy cars. How many toy trucks did the factory produce?

(1) 1470

(2) 1530

(3) 1570

(4) 1770 ( )

---

17. There are 2 traffic lights A and B at different junctions. Traffic light A and traffic light B turn red at every 3 min and 5 min respectively. The traffic lights are set to start at 10 a.m.. At what time will both traffic lights turn red at the same time?

(1) 10.03 a.m.

(2) 10.05 a.m.

(3) 10.08 a.m.

(4) 10.15 a.m. ( )

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18. 6 pupils paid a total of $7044 for a trip. Each pupil paid an equal amount. How much did each pupil pay for the trip?

(1) $1074

(2) $1174

(3) $42 244

(4) $42 264 ( )

---

19. There are 138 pupils. Miss Nurul gave 15 cubes to each pupil and had 4 cubes left. How many cubes did she have at first?

(1) 537

(2) 567

(3) 2066

(4) 2074 ( )

---

20. Shirley and Alan have a total of $4260. Shirley has twice as much money as Alan. How much money must Shirley give to Alan so that they will have the same amount of money?

(1) $710

(2) $1065

(3) $1420

(4) $2130 ( )

END OF SECTION A

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Section B

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Questions **21** to **40** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. (40 marks)

21. Write thirteen thousand, four hundred and two in numerals.

Ans: _____

22. What is the missing number in the following pattern?

15 536, 14 036, 12 536 , 11 036, _____?_____, 8 036, 6 536

Ans: _____

23. What is the smallest 5-digit odd number that can be formed using the digits 4, 1, 7, 6 and 9? Each digit can only be used once.

Ans: _____

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24. Which of the following numbers has 3 as a factor?

13, 18, 32, 45

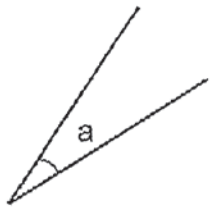
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Ans: _____ and _____

25. List the 2 common multiples of 4 and 8 that are between 20 and 40.

Ans: _____ and _____

26. Use a protractor to measure ∠a. Write the answer in the answer blank.

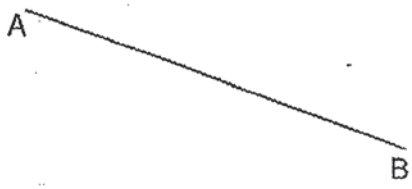


Ans: _____ °

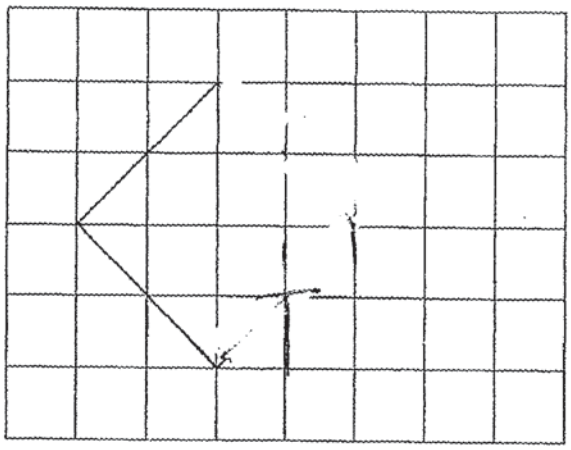
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27. Draw and label a line BC such that ∠ABC is 75°.

Do not write in this space



28. In the square grid below, 1 side of a square have been drawn. Draw a square from the given line.



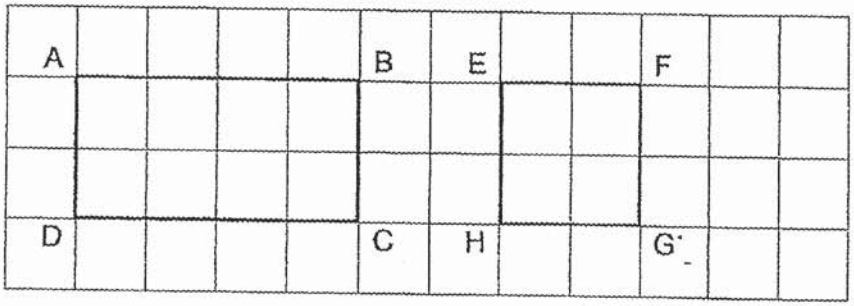
29. Find the product of 2527 by 9.

Ans: _____

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30. Study the figures drawn in the square grid below.

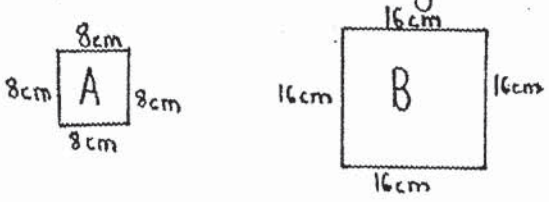
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Each statement below is true, false or not possible to tell from the information given. For each statement, put a tick √ in the correct column.

	Statement	True	False	Not possible to tell
a)	AB is perpendicular to EH.			
b)	Both figure ABCD and figure EFGH has only one pair of parallel sides.			

31. ~~The side of a square measures 8 cm. Find the perimeter of the square.~~
The side of square A measures 8cm. One side of square B is 2 times as long as one side of square A. Find the length of square B.



Ans: _____ cm

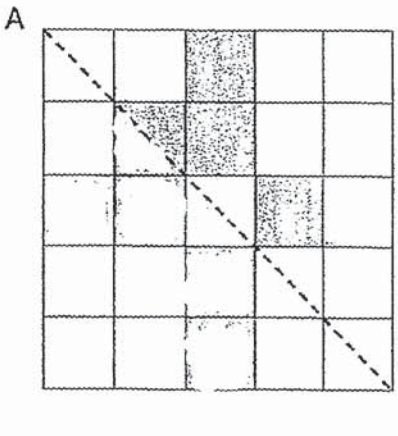
32. There are 282 rows of chairs in the concert hall. Each row has 14 chairs. How many chairs are there altogether?

Ans: _____

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33. AB is a line of symmetry. How many more squares need to be shaded to form a symmetrical figure?

Do not write in this space



Ans: _____

34. The following grid shows the position of A, B, C, D and E. Which letter is North-west of A?

E				D	
		A			B
			C		



Ans: _____

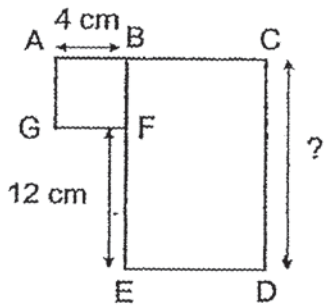
35. Pauline saved $130. Ali saved 3 times as much as Pauline. Karen saved 2 times as much as Ali. How much did they save altogether?

Ans: $ _____

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36. The figure below is made up of rectangle BCDE and square ABFG. What is the length of rectangle BCDE?



Ans: _____ cm

37. The mass of 1 cookbook is thrice as heavy as 1 magazine. 1 cookbook and 4 magazines weigh 5257 g. Find the mass of 1 magazine.

Ans: _____ g

38. Mrs Tan wants to buy 3700 pencils. The pencils are sold in packets of 8. What is the least number of packets of pencils she should buy?

Ans: _____

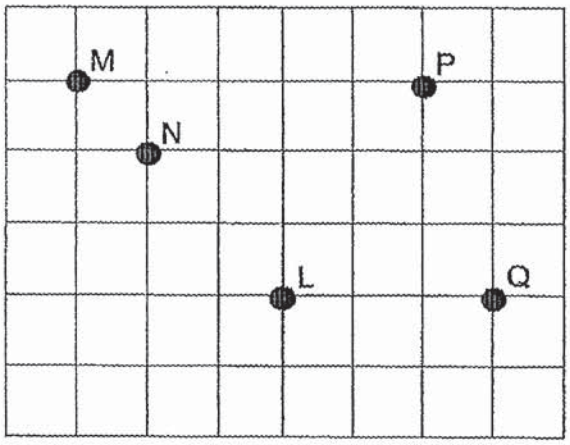
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39. Jane had the same number of stickers as Angie. After Angie bought 20 more stickers and Jane gave away 20 stickers, Jane had 46 stickers now. How many stickers does Angie have now?

Do not write in this space

Ans: _____

40. The following grid shows the position of L, M, N, P and Q. James started at a certain position. He walked 3 steps to the north, 2 steps to the west and 1 step to the south. He ended at position N. What was his starting position?





Ans: _____

Total marks for question 21 to 40

40

END OF SECTION B

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Section C

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For Questions **41** to **45**, 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.
(20 marks)

41. Amanda bought 9 boxes of pencils. Each box contained an equal number of pencils. She gave 12 pencils to each of her 40 pupils and had 6 pencils left. How many pencils were there in each box?

Ans: _____ [4]

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42. Mary had 1984 erasers. She donated 256 erasers and packed the rest of the erasers equally into boxes of 8. She sold all the boxes at $5 each. How much money did Mary receive?

Do not write in this space

Ans: _____

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43. Jennifer bought 5 identical skirts and 2 identical dresses for $223. Each dress cost $24 more than a skirt. Find the cost of 1 skirt.

Do not write in this space

Ans: _____ [4]

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44. Shirley has less than 35 cookies. When she packs the cookies in groups of six, she will have 5 extra cookies. When she packs the cookies in groups of five, she will have 4 extra cookies. How many cookies does Shirley have?

Do not write in this space

Ans: _____ [4]

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45. Alexi, Bala and Clement have a total of 1416 stamps. Bala has 70 more stamps than Alexi. Clement has 2 times the total number of stamps Alexi and Bala have. How many stamps does Alexi have?

Do not write in this space

Ans: _____ [4]

END OF PAPER

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ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : CATHOLIC HIGH SCHOOL
SUBJECT : MATHEMATICS
TERM : MYE

SECTION A

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

SECTION B

Q21 13402

Q22 9536

Q23 14679

Q24 18 and 45

Q25 24 and 32

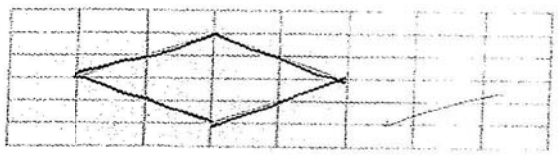
Q26 25°

Q27



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Q28



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Q29 22743

Q30 a)True

b)False

Q31 16cm

Q32 3948

Q33 2

Q34 E

Q35 $1300

Q36 16cm

Q37 751g

Q38 463

Q39 86

SECTION C

Q40 L

Q41 54

Q42 $1080

Q43 $25

Q44 29

Q45 201

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