

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

Name :()	
Class: Primary 4	ŕ	
Date: 25 Oct 2019	Section A	40
Duration: 1 h 45 min	Section B	40
Parent's Signature:	Section C	20
NSTRUCTIONS TO CANDIDATES	Total Marks	100

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 20 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.	Wh	What is the missing number?						
	3 te	en thousands + 5 thousands + 8 ones =	-					
	(1)	358		***************************************				
	(2)	3058						
	(3)	5038						
	(4)	35 008	() .				
2.	'Whi	ch of the following is a multiple of both 6 and 8?		-				
	(1)	12						
	(2)	2						
	(3)	16						
	(4)	24	,	,				
			()				
3	Whic beco	h of the following numbers when rounded to the r mes 19 800?	nearest hundred					
	(1)	19 705						
	(2)	19 749						
-	(3)	19 801						
	(4)	19 850	,					
		•	()				

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

- 5.
 - (1)
 - (2)
 - (3)
 - (4)

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- In the number 43.21, which digit is in the tenths place? 6.
 - . 1 (1)
 - 2 (2)
 - 3 (3)
 - (4)

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7.
$$6\frac{2}{5} = \frac{\square}{5}$$

What is the missing number in the box?

- (1) 12
- (2)28
- (3) 30
- (4)32

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8.	Mary had 17 bags of marbles. Each bag contained 25 marbles. She repacked all the marbles equally into 5 boxes. How many marbles were there in each box?					
	(1)	40				
	(2)	85				
	(3)	200				
	(4)	425	()		
9.	Abby saved 5 times as much as Ben, They saved \$4860 altogether. How much did Ben save?					
	(1)	\$810				
	(2)	\$972				
	(3)	\$4855				
	(4)	\$4865	()		
10.	The	price of pens sold in a shop is as follows.				
		1 pen costs \$2.25				
		A bundle of 4 pens costs \$5.70				
	Roge	er wants to buy 9 pens. What is the least amount he ha	s to pay?			
	(1)	\$7.95				
	(2)	\$11,40				
	(3)	\$13.65				
		\$20.25				

- 11. Jerry bought/6.8 kg of flour. He used 2.95 kg of the flour to make some cookies. How much flour had Jerry left?
 - (1) 2.27 kg
 - (2) 3.63 kg
 - (3) 3.85 kg
 - (4) 9.75 kg

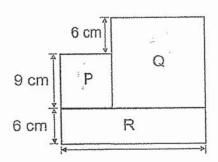
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- 12. The perimeter of a square is 36 cm. Find the length of the square.
 - (1) 6 cm
 - (2) 9 cm
 - (3) 12 cm
 - (4) 144 cm

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13. The figure below is made up of 2 squares, P and Q, and a rectangle R. Find the area of rectangle R.

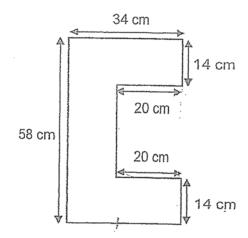


- (1) 54 cm²
- (2) 144 cm²
- (3) 216 cm²
- (4) 255 cm²

14. In the square grid, which of the following figures is symmetrical?

(1)

- (2)
- (3)
- (4)
- 15. Find the perimeter of the following figure. (All lines meet at right angles)

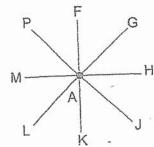


- (1) 160 cm
- (2) 184 cm
- (3) 204 cm
- (4) 224 cm

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16. Peter is standing at point A. After turning 135° anti-clockwise, Peter is facing south-east. Which point was Peter facing at first?

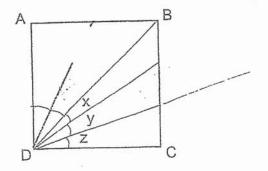




- (1) F
- (2) M
- (3) H
- (4) K

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17. In the figure below, ABCD is a square. $\angle x = \angle y = \angle z$. Find $\angle x$.



- (1) 15°
- (2) 30°
- (3) 45°
- (4) 60°

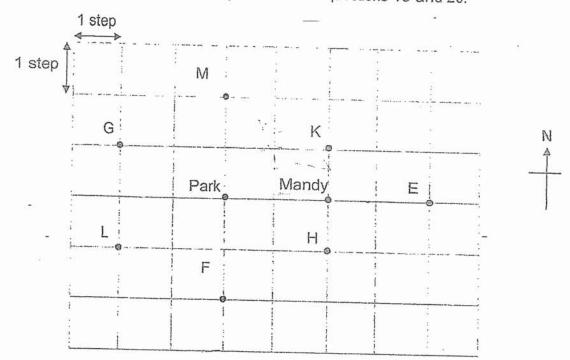
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- Danny left home at 17 00 for the cinema. He spent 2 h 20 min in the cinema. He left the cinema at 19 35.

 How long did he take to travel to the cinema?
 - (1) 5 min
 - (2) 15 min
 - (3) 20 min
 - (4) 35 min

Study the map below carefully and answer questions 19 and 20.



- Mandy was facing the park. She made a $\frac{1}{4}$ -turn in a clockwise direction. Which point was she facing at the end?
 - (1) F
 - (2) H
 - (3) K
 - (4) M

- 20. Nathan left his house to go to the park. He took 3 steps north, 2 steps east and 2 steps south from his house to the park. Which point was his house?
 - (1) G
 - (2) H
 - (3) L
 - (4) K—

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Section B Questions 21 to 40 carry 2 marks each. Show your working clearly and we your answers in the spaces provided. For questions which require units, your answers in the units stated. All diagrams are not drawn to scale. (40 mass)	give
21. Write fifteen thousand and twelve in figures.	
Ans:	
22. Write the missing number in the number pattern below.	
14 200 , 14 100 , 14 000 , , 13 800 , 13 700	
Ans:	
23. 0.7 + 54.32 =	
•	

24. Express $3\frac{1}{50}$ as a decimal.

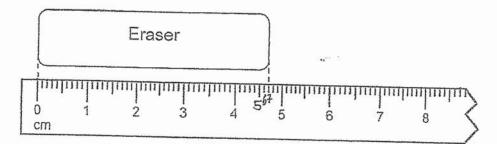
Do not write in this space

Ans:____

25. Find the value of $1 - \frac{1}{3} - \frac{7}{12}$.

Ans:____

In the figure below, what is the length of the eraser in cm?Give your answer as a decimal.

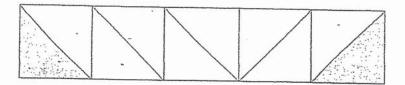


____ Ans:_____ cm

27.	Some of the factors of 32 are 1, 2, 8 and 32. What are the other two factors of 32?	Do not write in this space
	Ans:	
28.	How many quarters are there in $9\frac{3}{4}$?	
	¥	
•	Ans:	-
29.	When a number is divided by 6, it has a quotient of 1207 and a remainder of 3. What is the number?	
	•	
	Ans:	

30.	How many	nore triangles must be shaded so that $\frac{3}{5}$ of the figure is
	shaded?	_

Do not write in this space



	***	1
Ans:		
		1

31. The table below shows the favourite food of all the pupils in 2 classes. Each pupil chose only 1 favourite food.

Class	Burgers	Fried Rice	Pizza
4X	13	17	12
4Y	21	6	11

Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a tick (\lor) to indicate your answer.

	Statement	True	False	Not possible to tell
(a)	The total number of pupils in 4X is more than the total number of pupils in 4Y.			
(b)	More girls than boys in 4Y like burgers.			

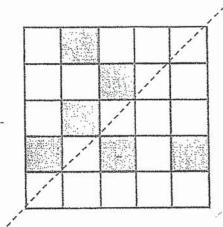
32.	Tom and Sandy have a total of 2460 beads. Sandy has twice as many beads as Tom. How many beads must Sandy give to Tom so that each of them has an equal number of beads?	Do not write in this space
	- Ans:	
33.	\$\$64 was shared by 5 boys equally. How much money did 2 boys receive?	
	Ans:\$	
34.	Dayrus paid \$9.60 for 5 pens and a marker. 1 marker cost thrice as much as a pen. How much did a pen cost?	
	_ · Ans:\$	

The poster below shows the opening hours of a clinic on a Saturday. 35. Do not How long is the clinic open on a Saturday? write in this space Clinic's Opening Hours Saturday 08 00 to 12 30 14 30 to 16 45 Ans:__ Measure and write down the size of $\angle x$. 36. X

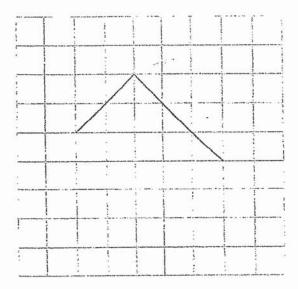
Ans:

37. In the square grid below, shade two unit squares so that the dotted line is a line of symmetry.

Do not write in this space

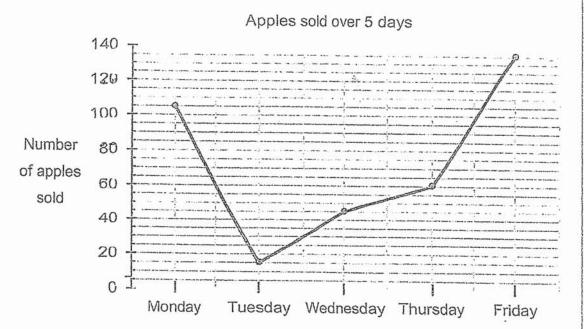


38. In the square grid below, draw a rectangle from the given lines.



The line graph below shows the number of apples sold from Monday to Friday. Study the following graph carefully and use it to answer questions 39 and 40.

Do not write in this space



39. On which day was the number of apples sold 3 times the number of apples sold on Wednesday?

Ans:_____

40. During which 1-day interval was the increase in the sale of the apples the greatest?

Ans: From ______ to _____

Total marks for question 21 to 40

END OF SECTION B

40

Do not Ethan had some money at first. He spent $\frac{4}{9}$ of it on a meal and \$58 on 42. write in this groceries. He then had \$72 left. space (a) How much money did he have at first? (b) How much money did he spend on the meal? Ans: (a) ______ [2]

Section C

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)

Do not write in this space

41. Larry had 35 more cookies than Kenny. Matthew had twice the total number of cookies that Larry and Kenny had. The 3 boys had 717 cookies altogether. How many cookies did Kenny have?

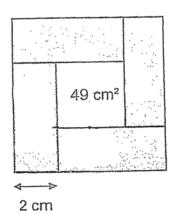
Ans:_____[4]

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			4	
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			9	
. *				100

The total mass of a container and a watermelon was 2.36 kg. When Do not 43. some oranges were added to the container, the total mass became write 3.26 kg. The mass of the watermelon was twice the mass of all the in this space (a) Find the mass of the watermelon. (b) Find the mass of the container. Give your answer in kilograms.

The following figure is formed by 4 identical shaded rectangles and an unshaded square. The area of the unshaded square is 49 cm². Find the total area of the 4 shaded rectangles.

Do not write in this space



Ans:_____[4]

45.	The patterns unshaded so		p of identical shaded —	and identical	Do not write in this
	Pa	attern 1	Pattern 2	Pattern 3	space
-	Pattern	Number of	Number of	Total number of	
	-Number	shaded squares	unshaded squares	squares	
	_ 1	4	5	9 .	
	2	4	12	16	
	3	4	21	25	
	b) Find the	number of unshad	Ans: _ ded squares in Patten	[1] n 4.	
	c) Which F	Pattern Number ha	Ans: _ s a total of 100 square	[1] es?	
	_		Ans:		

ANSWER KEY

YEAR : 2019

LEVEL : PRIMARY 4

SCHOOL: CATHOLIC HIGH SCHOOL

SUBJECT: MATHEMATICS

TERM - : END YEAR EXAMINATION

SECTION A

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

SECTION B

Q21) 15 012

Q22) 13 900

Q23) 55.02

Q24) 3.0° 3.02

Q25) $\frac{1}{12}$

Q26) 4.7cm

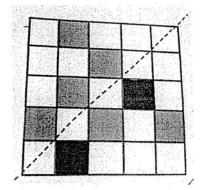
Q27) 16, 4

Q28) 39

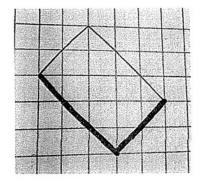
Q29) 7245

Q30) 4

- Q31) a: true
- b: Not possible to tell
- Q32) 410
- Q33) \$25.60
- Q34) \$1.20
- Q35) 6h 45min
- Q36) 135°
- Q37)



Q38)



- Q39) Friday
- Q40) Thursuay to Friday

SECTION C

Q41)
$$35 \times 3 = 105$$

 $6u \rightarrow 717 - 105$
 $= 612$
 $1u \rightarrow 612 \div 6$
 $= 102$

Q42a)
$$5u \rightarrow 58 + 72$$

= 130
 $1u \rightarrow 130 \div 5$
= 26
 $9u \rightarrow 26 \times 9$
= $$234$

Q42b)
$$4u \Rightarrow 26 \times 4$$

= $$104$

Q43a)
$$3.26 - 2.36 = 0.9$$

 $0.9 \times 2 = 1.8 \text{kg}$
Q43b) $3.26 - 1.8 - 0.9 = 0.56 \text{kg}$

Q44) Length of Rec
$$\rightarrow$$
 7 + 2
= 9
Breadth of Rec \rightarrow 2
Area of Rec \rightarrow 9 x 2
= 18

Total area of 4 shaded Rec
$$\rightarrow$$
 18 x 4
= $\frac{72 \text{ cm}^2}{}$

Q45a) 36

Q45b) 32

Q45c)

Pattern number	Number of shaded squares	Number of unshaded squares	Total number of squares	
5	4	45	49	
6	4	60	64	
7	4	77	81	
8	4	- 96	100	

ANS: 8