

CATHOLIC HIGH SCHOOL END-OF-YEAR EXAMINATION PRIMARY FOUR MATHEMATICS

Name	:	()	
Class	: Primary 4		
Date	: 2 November	BOOKLET A	40
Total time	: 1 h 45 min	BOOKLET B	
45 question	ns		40
100 marks		BOOKLET C	20
Parent's si	gnature :	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.

Shade your answers in the Optical Answer Sheet (OAS) provided.

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.	The	The value of the digit 6 in 56 013 is							
	(1)	6	-						
	(2)	60							
	(3)	600			-				
	(4)	6000		8				,	,

- Which of the following numbers when rounded to the nearest ten becomes 23 900?
 - (1) 22 844
 - (2) 22 895
 - (3) 23 904
 - (4) 23 946

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$$3. \qquad 5\frac{7}{8} = \frac{1}{8}$$

What is the missing number in the box?

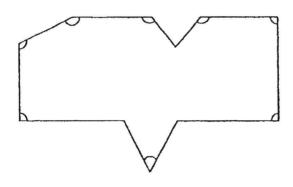
- (1) 33
- (2) 35
- (3) 40
- (4) 47

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4.	In the number 12.34, the digit is in the tenths place.							
	(1)	1						
	(2)	2						
	(3)	3						
	(4)	4					()
5.	Whk	th of the folk	owing is a facto	or of bo	oth 18 and 487			
	(1)	6						
	(2)	7						
	(3)	8						
	(4)	9					()

6. In the figure, how many of the marked angles are right angles?



- (1) 1
- (2) 8
- (3) 3
- (4) 4

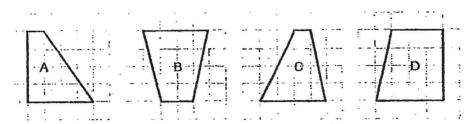
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7.	Whic	ch of the following numbers is 600 less than 76 to	3917	
Heat Gate			JU 1;	
	(1)	70 891		
	(2)	76 291		
	(3)	76 831		
,	(4)	77 491	- (
8.	The times	difference in value between 2 numbers is 480. C s the other number. Find the sum of the 2 numb	One of the numbers.	ers is 3
	(1)	160		
	(2)	240		
	(3)	640		
	(3)	040		
	(4)	960	(
9.	(4) A jug		s 710 mt of water	· · · · · · · · · · · · · · · · · · ·
9.	(4) A jug	960 contains 1200 mt of water and a glass contains	s 710 mt of water	
9.	(4) A jug	960 contains 1200 mt of water and a glass contains water will the jug and 2 such glasses contain?	s 710 mt of water	· · · · · · · · · · · · · · · · · · ·
9.	(4) A jug much	960 g contains 1200 mt of water and a glass contains water will the jug and 2 such glasses contain? 1420 mt	s 710 mt of water	
9.	(4) A jug much (1) (2)	960 g contains 1200 mt of water and a glass contains water will the jug and 2 such glasses contain? 1420 mt 1910 mt	s 710 mt of water	er. How
9.	(4) A jug much (1) (2) (3) (4)	960 contains 1200 mt of water and a glass contains water will the jug and 2 such glasses contain? 1420 mt 1910 mt 2400 mt	s 710 m t of wate	er. How
	(4) A jug much (1) (2) (3) (4)	960 contains 1200 mt of water and a glass contains water will the jug and 2 such glasses contain? 1420 mt 1910 mt 2400 mt 2620 mt camival, every 3rd child gets a candy and every	s 710 m t of wate	er. How
	(4) A jug much (1) (2) (3) (4) At a a Whice	geontains 1200 mt of water and a glass contains water will the jug and 2 such glasses contain? 1420 mt 1910 mt 2400 mt 2620 mt camival, every 3rd child gets a candy and every th child is the first to get both a candy and a ball	s 710 m t of wate	er. How
	(4) A jug much (1) (2) (3) (4) At a (Which (1)	geontains 1200 mt of water and a glass contains water will the jug and 2 such glasses contain? 1420 mt 1910 mt 2400 mt 2620 mt carnival, every 3rd child gets a candy and every th child is the first to get both a candy and a ball	s 710 m t of wate	er. How

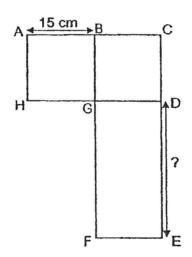
11.	All the books in a library were packed into boxes of 8. After packing 112 boxes, there were 6 books unpacked. How many books were there at first?					
	(1)	890				
	(2)	896				
	(3)	902				
	(4)	904	()		
12.	Alice	bought $\frac{3}{4}$ kg of cookles. Benny bought $\frac{1}{5}$ kg of cookles m	nore than			
	Alice.	. How many kilograms of cookles did Benny buy?				
		2				
	(1)	$\frac{2}{9}$ kg				
	(2)	$\frac{4}{9}$ kg				
	(3)	$\frac{11}{20}$ kg				
	(4)	$\frac{19}{20}$ kg	()		
13.	Cayo	den had \$84. He spent $\frac{3}{7}$ of his money on a puzzle. How	v much mo	ney		
	did h	e have left?				
	(1)	\$12				
	(2)	\$28				
	(3)	\$36				
	(4)	\$48	()		

14.	Whic	h number is 1.3 less than 4.56?		
	(1)	3.26		
	(2)	4.43		
	(3)	4.69		
	(4)	5.86	()
15.	Arran	nge the following decimals in increasing order.		
		7.012 , 7.1 , 7.02		
	(1)	7.1 , 7.02 , 7.012		
	(2)	7.1 , 7.012 , 7.02		
	(3)	7.02 , 7.012 , 7.1		
	(4)	7.012 , 7.02 , 7.1	()
16.		n cost as much as 4 erasers. Danny paid \$8.40 for 1 peners. Find the cost of 1 eraser.	and 3	
	(1)	\$1.20		
	(2)	\$2.10		
	(3)	\$2.40		
	(4)	\$4.80	()
17.	In wh	ich of the following figures is the dotted line a line of sym	metry?	
a a		5 6 7	8	
	(1)	5		
	(2)	6		
	(3)	7		
	(4)	8	()

18. Which of the following figures is symmetrical?



- (1) A
- (2) B
- (3) C
- (4) D
- 19. In the figure below, square ABGH and square BCDG are identical. The length of rectangle GDEF is thrice its breadth. What is the length of DE?

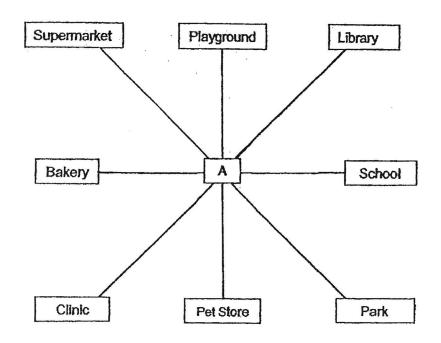


- (1) 5 cm
- (2) 15 cm
- (3) 30 cm
- (4) 45 cm

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20. Steve was standing at point A. After turning through an angle of 225° in an anti-clockwise direction, he was facing the library. What was he facing at first?



- (1) Park
- (2) Bakery
- (3) Pet Store
- (4) Supermarket

END OF SECTION A

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0	-
Section	B

Do not write In this space

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 twenty-five thousand and thirteen in numerals.

Ans:_____

22. Some factors of 20 are 1, 2, 4 and 20. What are the other two factors of 20?

Ans:

23. $\frac{2}{9} + \frac{1}{3} =$

Ans:

24. Find the value of $1 - \frac{1}{2} - \frac{1}{8}$.

Ans:

Do not write in this space

25. How many sixths are there in 1 whole?

26.

Express 0.93 as a fraction.

27.	Round 19.52 to the nearest whole number.	Do not write in this space
	-	
**************************************	Ans:	
28.	Find the value of 17.36 x 3.	
	Ans:	
29.	Measure and write down the size of ∠a.	
	a	
	Ans:	

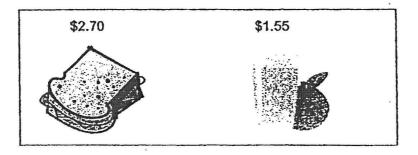
30.	A number has the factors 3 and 7. The number is between 50 and 70. What is the number?	Do not write in this space
	Ans:	
31.	The fifth multiple of a 1-digit number is 14 more than its third multiple. What is the 1-digit number? Ans:	
32.	Lionel has 5 more stickers than Marco. Nathan has 4 times as many stickers as Marco. Lionel and Nathan has 120 stickers altogether. How many stickers does Marco have?	
	Ans:	

33. Melissa's monthly salary is thrice the amount she spent in June. Her monthly salary is \$8424. How much dld she spend in June?

Do not write In this space

Ans:\$_____

34. Study the menu carefully.



Harry had \$50. He bought 1 chicken sandwich and a fruit Julce.

How much money had he left?

Ans:\$____

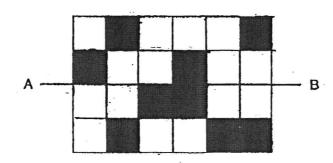
35.	Parry used a total of 23.25 m of ribbon to make 6 similar flowers and 9 similar bows. How much ribbon did he use to make 2 such flowers and 3 such bows?						
	**	**	*	•			
	MMM	MMM	14 14	1			
	-						
				-			
			Ans:	m			
36.	Isaac is 7 years old a time will their total ag	and his sister is 3 year ge add up to 18?	s old. In how ma	ny years'			

Look at the square grid below and use the information for question 37 in this space and 38. В C 37. Leo was standing at point B. He walked 1 step to the north, then 3 steps to the west and finally 1 step to the south. Which point did he end up at? Ans: (a) Point _____ is north-east of B. 38. (b) What is the direction of E from C?

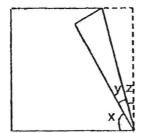
Do not write

39. The figure below is made up of identical squares. Line AB is the line of symmetry. Shade three more squares so that the figure is symmetrical.

Do not write in this space



40. Study the figure below. A square piece of paper was folded as shown below.



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

	Statement	True	False	Not possible to tell
a)	∠x is 45°			
b)	∠y is equal to ∠z.			

Total marks for question 21 to 40

END OF SECTION B

40

Section For Qu	Do not write in this space				
the spa	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.	A t-shirt, a bag and a cap cost \$256. The bag costs \$24 more than the cap. The t-shirt costs the same as the total value of the bag and the cap. How much does the cap cost?				

42. There were some candles in a bag. Joseph took $\frac{7}{10}$ of the candles and Kenny took the rest. Joseph took 24 more candles than Kenny.

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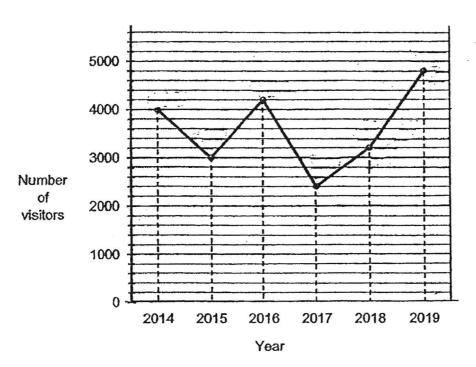
- (a) What fraction of the candies did Kenny take?
- (b) How many candles were there in the bag at first?

Ans: (a)	[1]	
4.3	F03	

43.	1 watermelon and 4 similar apples weighed 4.05 kg. 1 such watermelon and 1 such apple weighed 3.45 kg.	Do not write in this space
	(a) What was the mass of 1 such apple?	
	(b) What was the mass of 1 such watermelon?	
		The second secon

The line graph shows the number of people who visited a museum in 6 years.

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- (a) What was the increase in the number of people visiting the museum from 2018 to 2019?
- (b) Each ticket to the museum cost \$8.

 How much did the museum collect from the sale of the tickets in 2014?

Ans:(a)	[2]
(b)	[2

45. The patterns below are made up of identical shaded and unshaded squares.



Do not write in this space

Pattern 1

Pattern 2

Pattern 3

Pattem No	Number of shaded squares	Number of unshaded squares	Total number of squares	
1	. 12	4	16	
2	16	9	. 25	[2]
3	20	16	36	
4	24		.,	

- a) Fill the table for Pattern 4.
- b) What is the total number of shaded and unshaded squares in Pattern 10?

	1	1	
ns:	121	- 1	

ANSWER KEY

LEVEL

PRIMARY 4

SCHOOL

CATHOLIC HIGH

SUBJECT

MATHEMATICS

TERM

SA2

SECTION A

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

SECTION B

CHO			E (4		D)	D	601	
21	25013		E	3)	A		III a	LU	

Q21	25013 LETES PAPEN LUIII
Q22	5,10
Q23	$\frac{2}{9} + \frac{1}{3} = \frac{2}{9} + \frac{3}{9} = \frac{5}{9}$
Q24	$\frac{1}{2} + \frac{1}{8} = \frac{4}{3} + \frac{1}{8} = \frac{5}{8}$
	$\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$
Q25	6
Q26	93
	100
Q27	20
Q28	17.36 x 3 = 52.08
Q29	135°
Q30	63
Q31	7
Q32	120 - 5 = 115
	115 ÷ 5 = 23
Q33	8424 ÷ 3 = \$2808
Q34	\$2.70 + \$1.55 = \$4.25
	\$50 - \$4.25 = \$45.75

\$50 - \$4.25 = \$45.75 for more papers

Q35	$23.25 \div 3 = 7.$	75				
Q36	7 + 3 = 10					
	10 + 8 = 18					
	8 ÷ 2 = 4 yea	rs				
Q37	Α					
Q38	a) Point I	D is north-east	of B.			
	b) South					
Q39	A B					
Q40		Statement	True	False	Not	
					possible to	
					tell	
	a)	< x is 45°		V		
	b)	< y is equal	V			
		to < z				

SECTION C

Q41	$24 \times 2 = 48$
	256 – 48 = 208
	208 ÷ 4 = \$52
	The cap cost \$52
Q42	a) $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$
	Kenny took $\frac{3}{10}$ of the candies in the bag.
	b) 4 units = 24
	1 units = $24 \div 4 = 6$
	10 units = 60
	There were 60 candies in the bag at first
Q43	a) 4.05 – 3.45 = 0.6
8	$0.60 \div 3 = 0.2$
	· e
	b) 3.45 - 0.2 = 3.25kg
Q44	a) 1600
1	b) 4000 x 8 = \$32000

Q45	a)				
		Pattern No	Number of shaded	Number of unshaded	Total number of squares
			squares	squares	
		1	12	4	16
		2	16	9	25
		3	20	16	36
		4	24	25	49
		bearing the second seco			

b) 10 + 3 = 13 13 x 13 = 169

There are a total of 169 square in figure 10.