# TRINIDAD AND TOBAGO SECONDARY ENTRANCE ASSESSMENT



# TRINIDAD AND TOBAGO SECONDARY ENTRANCE ASSESSMENT

#### ANSWER BOOKLET

#### ANSWER BOOKLET

	AIVS WEIT DOOTLINE				
]	FILL IN ALL THE INFORMATION REQUE	ESTED CLEARLY	AND LEGIBLY.		
ŗ	TEST CODE 0 4 2 3 4 0 1 1	TEST CODE	0 4 2 3 4	0 1 1	
Ş	SUBJECT MATHEMATICS 2022	SUBJECT _	MATHEMATIC	S 2022	
	Please place your label here.	Pleas	se place your labe	el here.	
	READ THE FOLLOWING DIRECTIONS CAREFULLY.	WRITE THE N	AME OF YOUR SC	HOOL BELOW	
1	. This test is divided into THREE sections.				
2	. Make sure you read the instructions before you start to work on any section.	WRITE Y	OUR FULL NAME	BELOW.	~
3	. Write all your answers in this test booklet.		DATE OF BIRTH	<del></del>	-
4	. DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.	Day	Month	Year	_
		sex <	MALE FEMALE		
	DO NOT WRITE IN THIS SPACE.	DO NO	T WRITE IN THI	S SPACE.	
£	FOLDER NUMBER		FOLDER NUMBI	ER	

### DO NOT WRITE ON THIS PAGE.

T	Mark			
Item	Knowing	Applying	Reasoning	Initials
1				
2				
3				
4				
5				
6				
7	·			
8				
9				
10				Adding to the second se
11				
12				
13				
14		EST AMORANDA SERVE O DA ASSESSMENT •		
15		r. Program i Santa de la Companio de		
16		The second secon		· · · · · · · · · · · · · · · · · ·
17				
18				
19				<del></del>
20				
21				
22				
$\frac{22}{23}$				
$\frac{25}{24}$				<del></del>
$\frac{24}{25}$				··· . ··· . · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
26				
27				*****
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

### Instructions for the Mathematics Test

You are NOT allowed to use calculators.

This test has THREE sections with a total of 40 questions.

SECTION 1 has 20 questions (Nos. 1 to 20).

SECTION 2 has 16 questions (Nos. 21 to 36).

**SECTION 3** has 4 questions (Nos. 37 to 40).

You have 75 minutes for this test.

Answer ALL questions.

Read EACH question CAREFULLY before answering it.

Show ALL working in the spaces provided.

Marks will be given for correct steps shown.

Work carefully but do NOT spend too much time on any one question.

DO NOT BEGIN UNTIL YOU ARE TOLD TO DO SO.

## SECTION 1

1.	Write the numeral for thirty-five thousand and ninety-six.
	Answer
2.	The number 875 is increased by 625. What is the new number?
	Answer
	Answer
3.	Divide 372 by 12
	Answer
L	

4. $\frac{1}{7}$	of		==	19
------------------	----	--	----	----

Answer

5. Circle the number that is NOT a square number.

9 12 16 25

6. Calculate  $\frac{11}{12} - \frac{2}{3}$ 

Answer

7.	Calculate	$\frac{6}{7}$	×	84
		- 1		

Answer

8. Convert  $\frac{47}{5}$  to a mixed number.

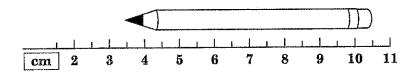
Answer \_\_\_\_\_

9. The maximum score of a spelling test was 50. Anika scored 60%. What was Anika's score on the test?

Answer

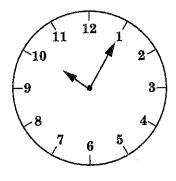
10.	Sam bought two of the	ne bottled water shown below	. How much change o	did he
	receive from \$10.00?	E STORES TRACE STOTIL NOTOW	· ALOTT BELLEVIL ORIULESO V	110
		Water		
		\$ 4.25		
	Answer \$		·	
				·
D0 1	IOM WITTEN THE THE TENT	TZ 70\	D VA	cins
ע טע	OT WRITE HERE	K (9) A (1)	R (0) TOTAL	(TA)

11. What is the length of the pencil, in centimetres?



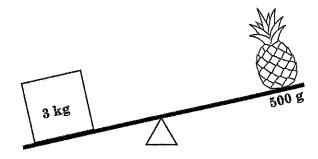
Answer \_\_\_\_\_ cm

12. Write the time shown on the clock.



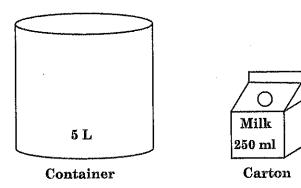
Answer \_\_\_\_\_

13. How many pineapples of the same mass will balance the scale?



Answer \_\_\_\_\_ pineapples

14. An empty container and a full carton of milk are shown below.

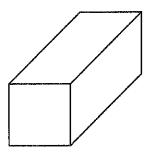


How many cartons of milk will fill the container?

Answer \_\_\_\_\_ cartons

DO NOT WRITE HERE K (3) A (1) R (0) TOTAL (4)

15. The cross-section of the prism shown below is a square.



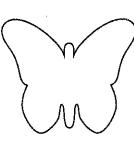
What is the name of the prism?

Answer

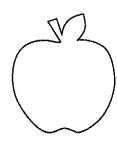
16. Which of the shapes shown below is NOT symmetrical?



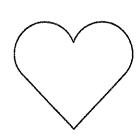
W



X



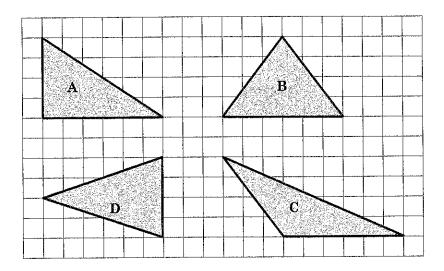
Y



 $\mathbf{Z}$ 

Answer \_\_\_\_

17. Which triangle below has an angle that is greater than a right angle?



Answer

[교통 문항] [1] 경우 [교통학교 전화 : 10 : 10 : 10 : 10 : 10 : 10 : 10 : 1		المفاد فالمفتف فالما
DO NOT WRITE HERE   K (3)	A (A)     ID (A)	TOTAL (3)
DO NOT WRITE HEKE   K (3)		
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	

·				
18.	The tally chaborn.	rt below shows	the months in which t	he students in a class were
		The Months in	n which Students wer	e Born
		Month	Tally	
		January	7HL 1	
		April	T 744 IIII	

## ##

##

Which month represents the mode?

July

September

Answer	
TITIOMET	

19. The table below shows Maddie's marks in her end of term tests.

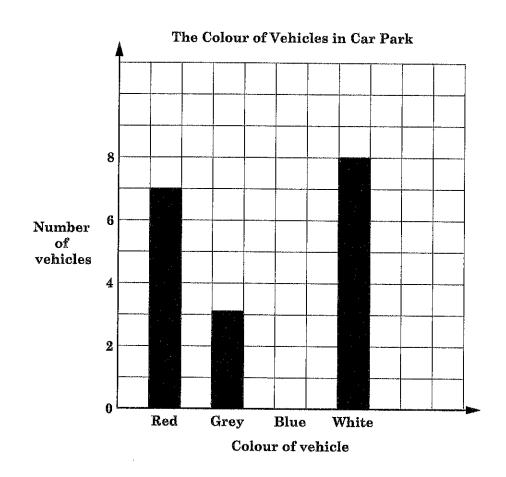
### Maddie's Marks

Subject	Mathematics	Language Arts	Social Studies	Science
Marks obtained	80	91	82	53

What was Maddie's mean mark?

Answer	

20. The incomplete bar graph below shows the colour of the vehicles in a car park.



If there are 24 vehicles in the car park, how many of the vehicles are blue?

Answer \_\_\_\_\_\_ blue vehicles

DO NOT WRITE HERE	K (Q)	A (0)	R (0)	TOOMAT (O)
TO THOSE MAINTENANT OF THE PERSON OF THE PER	TZ (U)	- X (U)	IN (U)	TOTAL (3)
<u>ar an transport and transport of the state </u>	Programme Associated		lz i a la l	1 2 25 24 2 3 3 3 4 4

#### **SECTION 2**

21. Write the following numbers in ascending order.

135.9

319.5

53.91

95.31

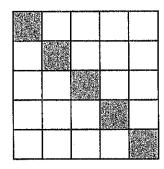
(2 marks)

Write the correct number in each shape below to complete the number sentences. 22.

$$199 \times 75 = (199 + 2) \times 75 - 75$$

(2 marks)

The shaded fraction of the square represents 16 students in a class. 23.



What is the total number of students in the class?

Answer \_\_\_\_\_students

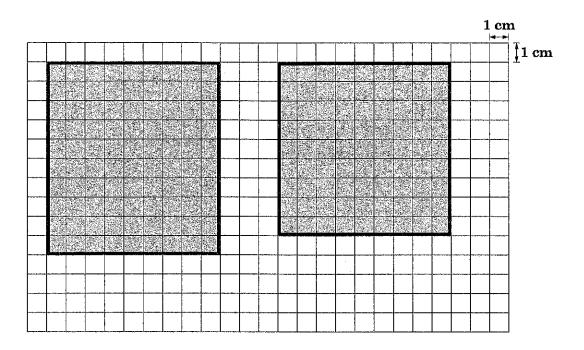
(2 marks)

24.	Anil's age is a factor of 48. Seven years ago, his age was a multiple of 5.
	What is Anil's age now?
	Answer years (2 marks)
<u></u>	
25.	Mr. Grant bought 48 m of wire. He used $\frac{13}{16}$ of the wire to make basket frames.
	He cut the remaining wire into equal lengths to make basket handles. Each
	basket handle was made with $\frac{3}{4}$ m of wire.
	How many basket handles did he make?
	healtat handlag (9 manlta)
	Answer basket handles (3 marks)

26. The costs of rackets and balls are shown below. \$ 184.00 \$ 224.00 Calculate the cost of 1 racket. Answer \$ \_\_\_\_\_ (3 marks) 27. A vendor received a total of \$125.00 from the sale of snow-cones and ice-cream cones. The cost of a snow-cone is \$5.00 and the cost of an ice-cream cone is \$10.00. He sold 7 more snow-cones than ice-cream cones. Calculate the total number of snow-cones sold. (3 marks)

28. Corey's weekly allowance was \$60.00. He received $\frac{1}{8}$ of his weekly allowance	е
for each of the three additional chores he completed.	
Calculate Corey's <b>total</b> allowance for the week.	
Answer \$	
(3 marks	)
DO NOT WRITE HERE K (0) A (11) R (9) TOTAL (20)	

29. A square and a rectangle are drawn on the 1 cm grid below.

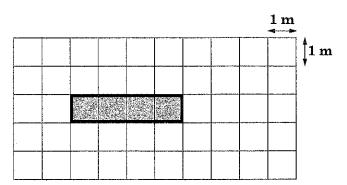


What is the difference in their perimeters?

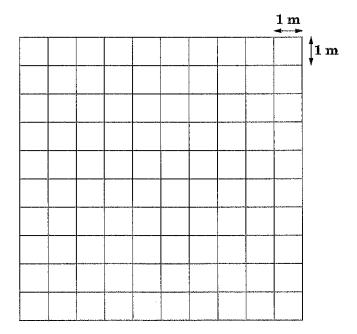
Answer \_\_\_\_\_cm

(2 marks)

30. The shaded rectangle on the 1 m grid below represents a flower bed. The flower bed is  $\frac{1}{9}$  of the area of a square park.



On the grid below, draw the square park and shade its area.



(2 marks)

31.	Small identical cubes are placed inside a cuboid as shown below.  How many more of these cubes are needed to fill the cuboid completely?	
	Answer cubes (3 mark	ss)
32.	The time on a clock is correct at 8:00 a.m. The clock loses 5 minutes every how What time would the clock show when the correct time is 3:00 p.m.?	ur.
	Answer p.m. (3 mark	s)

DO NOT WRITE HERE

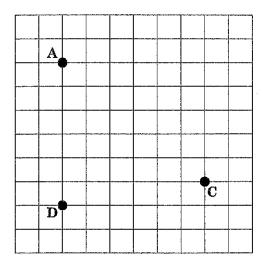
K (0)

A (7)

R (3)

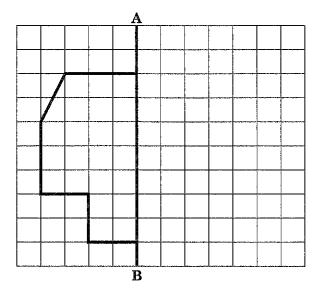
TOTAL (10)

33. On the grid below, label the position of the point B such that the quadrilateral ABCD has one right angle. Draw lines to form the quadrilateral ABCD.



(2 marks)

34. An incomplete symmetrical shape is shown on the grid below. Using AB as the line of symmetry, complete the shape.

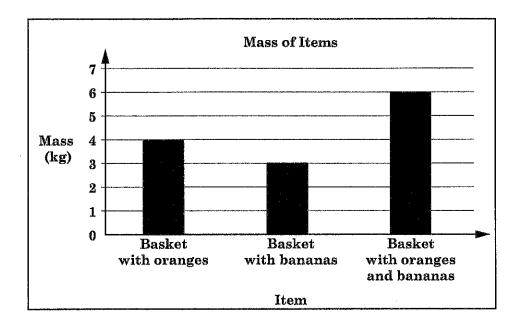


(2 marks)

DO NOT WRITE HERE | K (0) | A (4) | R (0) | TOTAL (4)

35.	The mean of four numbers was 80. When one number was removed remained 80.	the mean
	Explain how this was possible.	
	Answer	
		2 marks)
		-

36. A basket with oranges was weighed. The same basket was weighed with bananas. Finally, the basket was weighed with the oranges and the bananas. The graph below shows the mass of the items.



What is the mass of the basket?

Answer \_\_\_\_\_kg

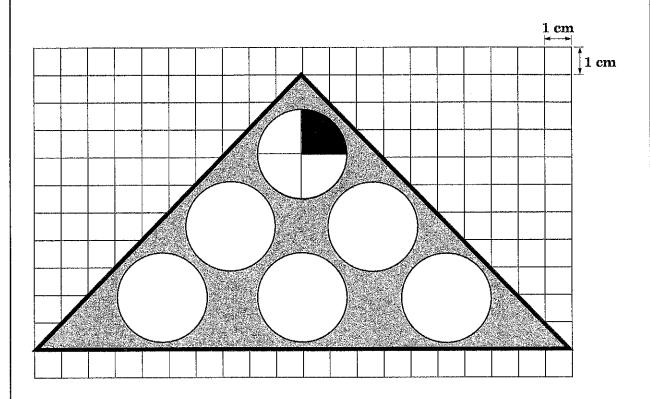
(3 marks)

DO NOT WRITE HERE K (0) A (5) R (0) TOTAL (5)

## **SECTION 3**

37.	Indira had 90 pens. She kept $\frac{1}{3}$ for herself and gave $\frac{1}{4}$ of the remainder to Keone. She shared the remaining pens between Alison and Yvette such that Alison received 9 <b>more</b> pens than Yvette.					
	How many pens did A	Alison receive	e?			
	Answer	·····		pens	(4 marks)	
DO N	OT WRITE HERE	K (0)	A (0)	R (4)	TOTAL (4)	**************************************

38. An isosceles triangle is drawn on the 1 cm grid below. Six identical circles partially cover the triangle. Each circle is divided into four equal parts. The area of the shaded fraction shown in the circle is 2 cm<sup>2</sup>.

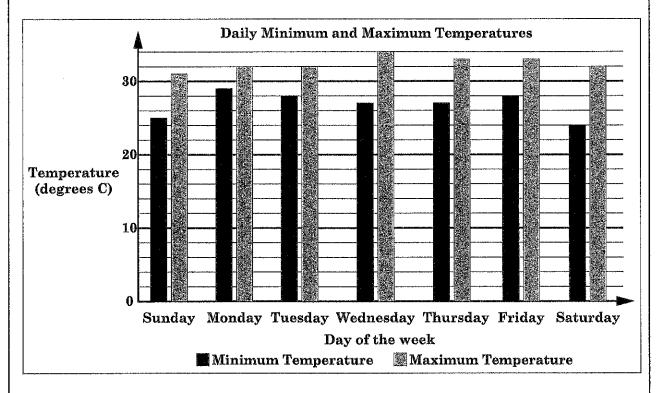


What area of the triangle is not covered by the circles?

Answer		- cm <sup>2</sup>	(4 marks)
DO NOT WRITE HERE   K (0)	A (0)	R (4)	TOTAL (4)

39. I	l'he in	complete	patter	n below	show	s the r	osition	of its ele	ments	•	
1 <sup>st</sup>	1 2nd	3rd	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
	(a)	Explain	the pat	tern rul	le.						
		Answer	<del></del>					<del> </del>			
											an-contract contract
(	(b)	Draw th	e 19 <sup>th</sup> el	lement.							
									•		
(	(c)	State the	e positio	on at wh	ich the	e patte	ern begin	ns repeat	ing for	the fif	th time.
		Answer									
										(4 :	marks)
ои ос	T WE	ITE HE	RE I	K (0)		A (0)		R (4)	1	OTAI	_ <b>(4)</b>

40. The bar graph below shows the daily minimum and maximum temperatures recorded for one week.



(a) What is the **difference** between the minimum and maximum temperature on the hottest day?

Answer \_\_\_\_\_\_ degrees C

(b) On which days is the difference between the minimum and maximum temperatures the same?

Answer

(c) On which day is the difference between the minimum and maximum temperatures the largest?

Answer

(4 marks)

	1 5. A c 6.2 1.25 c	1 w (12 c ) 1 3 6 c	
TO NOT WOTHER BEDEVER AND	A (A)	1 10 7/11	
DO NOT WRITE HERE   K (0)	A (0)	R (4)	TOTAL (4)
	NO = 7 (No € 11)	1. (A) TO (A) TO (A)	15 To 15 TO 17 TO 1 TO 15 TO 1

en understen age			
	END OF TE	ST	
IF YOU FI YOU MAY CHECK YOU	INISH BEFORE '	FIME IS CALLED LE HANDING IN T	, YOUR PAPER.