

TRINIDAD AND TOBAGO

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SECONDARY ENTRANCE ASSESSMENT

SPECIMEN BOOKLET

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FILL IN ALL INFORMATION REQUESTED CLE TEST CODE	ARLY AND LEGIBLY.
SUBJECT MATHEMATICS	SUBJECT <u>MATHEMATICS</u>
Please place your label here.	Please place your label here.
READ THE FOLLOWING DIRECTIONS CAREFULLY 1. This test is divided into THREE sections. 2. Make sure you read the instructions before you start to work on any section.	WRITE THE NAME OF YOUR SCHOOL BELOW:
booklet.	DATE OF BIRTH
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 NOT WRITE IN THIS SPACE
FOLDER NUMBER	FOLDER NUMBER

Instructions for the Mathematics Test

You are **NOT** allowed to use **calculators**.

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

SECTION I has 20 questions (Nos. 1-20).

SECTION II has 16 questions (Nos. 21-36).

SECTION III has 4 questions (Nos. 37-40).

You have 75 minutes for this test.

Answer ALL questions.

Read EACH question CAREFULLY before answering it.

Show ALL working.

Marks will be given for correct steps taken.

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

DO NOT BEGIN UNTIL YOU ARE TOLD TO DO SO.

Section I

1. Write the numera	l to represent three hund	red and five thou	sand and forty-eight.
Answer:			
2. State the place va	lue of the digit 3 in the r	numeral 653 581.	
Answer:			
3. Round 6 498 to th	e nearest thousand.		
Answer:			
4. The scores in a v	ideo game are given for	four players.	
	Players' Scores i	n a Video Game	,
	Player	Score	
	Dev	46 978	
	Liz	49 687	
	Suri	48 679	
	Vidal	49 876	
Who scored the h	nighest?		
Answer:			

5. The items below are on display at Sara's Electronics Store. What fraction of the items are phones?





9. Natalie has 7 bills in her pocket with a total value of \$48.
\$ 20 \$ 5 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 5 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1
Write the missing values in the 2 bills above.
10. Ms. Tang bought 4 sets of doughnuts. She created a package of treats using $\frac{2}{3}$ of a set. How many packages did she create using all 4 sets?
Answer: packages

11. Betty's weight is 46 000 grams. What is her weight	ght in kilograms?
Answer: kilograi	ns
12. Ethan started an online Mathematics class at the	ime shown on the clock.
The class lasted 45 minutes.	
What time did the Mathematics class end?	
Answer:	
13. Convert $2\frac{1}{5}$ hours to minutes.	



17. Name a solid that has five faces, one of which is a square.

Answer: _____

18. The table below shows the number of books read by five students in a reading competition. Complete the table to show how many books Varsha read if 73 books were read altogether.

Student	Number of books read
Jesse	15
Akeel	17
Varsha	
Mala	13
Amy	12

STANDARD FIVE READ-A-THON

19. What is the mode for the following set of test scores?

35	46	41	39	37
47	43	42	38	41
39	41	43	43	39
43	36	38	41	45

Answer: _____



Section II

21. Alan puts three numbers in ascending order. A common fraction belonging to t family is missing. Write the missing fraction.	he eighths
	(2 marks)
0.65 80%	
22. Mr. Sam uses 12 cups of flour to bake one batch of bread rolls. Each roll can from $\frac{1}{2}$ cup of flour. How many bread rolls can be made in five batches?	n be made
	(2 marks)
Answer: bread rolls	
23. When 4 times a number is added to 25, the answer is the difference between 50 What is the number?) and 675.
	(2 marks)
Answer:	
24. Which two square numbers sum to 100?	
	(2 marks)
Answer:	

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25. Shane's Computer Store had a sale on mobile devices. What was the total discount given if a customer purchased both items shown below?
(3 marks)
Sale on Laptops 33 ¹ / ₃ % Discount
Answer: \$
26. On Monday 400 students were present at Mountain View Primary school. By lunchtime, 40% of the students fell ill and returned home. The number of girls who remained was four times the number of boys. How many boys remained after lunch?
(3 marks)
Answer: boys

5	0	2	1
 3	9	8	6

He estimated a difference of 2 000 in working out the problem.

Explain why Andrew's estimate may not be reasonable and clearly show your estimate.

(3 marks)

Answer:

28. Marlon sells a set of 3 mangoes for \$5.00. He wants to buy a television which costs \$3 725.00 but only has \$775.00 in his savings. How many mangoes must he sell to earn the rest of the money he needs?

(3 marks)

29. A football game after the first ha	e started at 4:10 p.m. and end	me was spent on actual pl	ay?
	C	1 1	(2 mar
	-	· ·	
Answer: 30. Josh parked 147 move if he mus	hours 7 centimetres away from the t park 2 metres away from th	minutes fire hydrant. How much for e fire hydrant?	urther should Josh
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T&T SEA 2021 SPECIMEN PAPER 1

32. Kareem has 48 m of wire to construct fences around two square plots of land. The area of the first square plot is four times the area of the second square plot.



34. Triangle ABC is a right angled isosceles triangle whose angle B is equal to its angle C. Complete the drawing on the grid below to represent triangle ABC.

(2 marks)



35. The pictograph uses a scale factor to represent the number of cans collected by 5 teams. Altogether, the teams collected 120 cans.

Number of cans collected

Team 1	\bigcirc	\bigcirc	\bigcirc	\bigcirc	
Team 2	\bigcirc	0	0		
Team 3	$\left(\begin{array}{c} \\ \end{array} \right)$	\bigcirc	\bigcirc		
Team 4	$\left(\begin{array}{c} 0 \end{array} \right)$	0	S)		
Team 5	$\left(\begin{array}{c} 0 \end{array} \right)$	\bigcirc			

How many more cans did **Team 1** collect than **Team 4**?

(2 marks)

Answer: ______ cans

36. J's Auto sold 5 different types of vehicles. The table below shows the number of vehicles sold by J's Auto during May.

Type of Vehicle	Number Sold		
Sedan	30		
SUV	20		
Truck	10		
Wagon	25		
Sports Car	5		

Vehicles Sold in May

The owner of J's Auto wanted the mean number of vehicles sold in May to be greater. How may Sports Cars should he have sold in May to increase the mean number of vehicles sold to 20?

(3 marks)

Answer: _____ Sports Cars

Section III

37. The sum of every five numbers in the number pattern below forms a new num	nber pattern.
3, 9, 15, 21, 27,	
Write the first three numbers in the new pattern and describe the pattern.	
	(4 marks)
Answer:	



39. On the grid paper below draw the quadrilateral with one pair of parallel sides, one line of symmetry and the straight line that joins the points A and B as its base.



Answer:

40. Five students ran 60 m sprint races at Sea View Primary School. The times students took to complete the sprint races are shown in the table below.

	Time in Seconds						
Student	1 st Sprint	2 nd Sprint	3 rd Sprint	4 th Sprint	5 th Sprint	Average	
Troy	10.4	10.3	10.2	10.1	10.0	10.2	
Andy	15.0	12.9	12.5	10.5	9.1	12.0	
Jessie	9.4	9.6	9.8	10.0	10.2	9.8	
Stacy	9.6	11.2	9.4	11.0	9.3	10.1	
Chris	9.5	10.1	10.3	10.5	10.6	10.2	

Times taken to complete 60 metres Sprint Races

Based on the information given in the table above, **state three reasons** why an average is not a good measure to select a student to represent the school in a 60 m sprint race **and select** a student to represent the school giving your reason.

(4 marks)

Answer:

END OF TEST

IF YOU FINISH BEFORE TIME IS CALLED, YOU MAY CHECK YOUR WORK BEFORE HANDING IN YOUR PAPER