

MATHEMATICS TEST 1 STUDENT DETAILS

TEST INSTRUCTIONS

- 1. You must do your own work.
- 2. Do not speak to other students during the test.
- 3. Raise your hand if you need to speak to the teacher.
- 4. Follow all directions given to you by the teacher.
- 5. All questions must be answered using the pencil you have been given. If you need to change an answer, carefully erase it and write another answer.
- 6. You are NOT permitted to use a calculator of any type.
- 7. To confirm you have the correct booklet, print your name below.

Print your name here:

YOU HAVE 45 MINUTES TO COMPLETE THIS TEST

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Questions 3 and 4 refer to the following information.

Shade one bubble

These stamps are put in a bag and mixed.







14	What is the area of this	Shade one							
	$\begin{array}{c c} & 20 \text{ cm}^2 \\ \hline & 25 \text{ cm}^2 \\ \hline & 40 \text{ cm}^2 \\ \hline & 50 \text{ cm}^2 \end{array}$			cm 10 cm ——	>		bubble		
15	The table shows the num Milk type	iber of car Full cream	tons of diff High calcium	ferent types Reduced fat	s of milk so Low fat	old in a sl	hop on one day.		
	Number of cartons sold	180	130	80	65	45			
	What is the ratio of Full cream milk cartons to Soy milk cartons sold on that day?								
	4:1 5:	:1	1:4	4	1:5				
	\bigcirc	\supset	\subset	>	\bigcirc				
16	A cyclist travels 120 km The average speed of the 6 km/hr 8 km	e cyclist is		n/hr	15 km	/hr			
17	Fifteen students recorded 12, 23, 23, 25, 26, 30, 36 The data is displayed be 1 2 2 3 3 5 6 3 0 6 9 4 0 8 ? 5 0 1 1 6 2 The missing number is	5, 39, 40, 4	8, 48, 50, 5	51, 51, 62	sic collection	ons.	Write your answer in the box		



21	A spinner is made from a regular octagon and an arrow. After 160 spins, what is the expected number of times that the arrow will point to section A ? 10 20 40 80	Shade one bubble
22	What is the value of a in this six-sided shape? 30° 35° 40° 45°	
23	$0.3 \times 1.5 =$ 0.0045 0.045 0.45 4.5	
24	Mike, Jane and Tim shared a pizza. Mike ate $\frac{1}{3}$ of the pizza. Jane ate $\frac{1}{4}$ of the pizza. Mike	Write your answer in the boxes
	What fraction of the pizza was left for Tim?	

25	The volume of t	5 cm his rectangular box is gth, <i>L</i> , of the box? cm	600 cm ³ .	Write your answe in the box	er		
26	Which one of the following is closest to the value of $3.9^2 + \sqrt{142}$? Shade one bubble						
	8 + 71	16 + 71	8 + 12	16 + 12			
27	Three fair coins are tossed at the same time. What is the probability of at least two tails?						
	$\frac{1}{2}$	$\frac{1}{6}$	$\frac{3}{8}$	$\frac{4}{27}$			
28	$\sqrt{\frac{36}{64}} =$	3	0	6			
	$\frac{6}{32}$	$\frac{3}{8}$	$\frac{9}{16}$	$\frac{6}{8}$			
29	ABCD is a paral $\angle ADC$ is 130°. What is the valu	7	B x »	C Write your answe in the box	er		



The box plots summarise the total number of goals scored by four netball teams in ten games.

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○ 2000 bacteria per 180 ml of water

