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1 1	ı			

Maths Genie Stage 1

Test B

Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
- there may be more space than you need.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- · You must show all your working out.
- Calculators may not be used.

Information

- The marks for each question are shown in brackets
- use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end

1 Work out

 $20 - 2 \times 7$

20-14

6

(Total for Question 1 is 1 mark)

2 Write down the value of $\sqrt{64}$

8

(Total for Question 2 is 1 mark)

3 Here is a list of numbers

6

3 3

27

36

3 4 64

1

80

From the list, write down all the cube numbers.

12

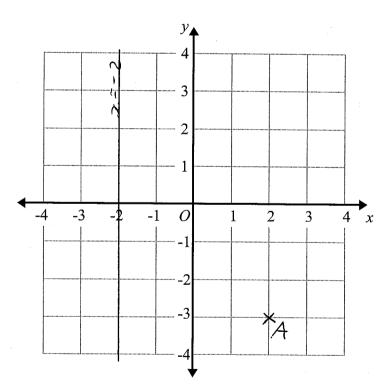
15

21

27 and 64

(Total for Question 3 is 1 mark)

4



(a) Plot the point with coordinates (2, -3). Label this point A.

(1)

(b) On the grid, draw the line with equation x = -2

(1)

(Total for Question 4 is 2 marks)

Monday		12	
Tuesday		10	Key:
Wednesday		14	Represent 4 plants
Thursday	田田口	9	
(a) Write down the n	on いedへ umber of plants sold in Maria	esday	
			171
			14
9 plants were sold on	Thursday.		
(b) Show this inform	nation on the pictogram.		
(c) What was the tot	al number of books sold on these for	ur days?	
4.	al number of books sold on these for $2 + 10 + 14 + 9$	ur days?	
	2+10+14+9		
	2+10+14+9		
	2+10+14+9		4.5

6	Write the following Start with the smal		order of size				
	206	18	7	211	171	182	
		17)	182	187	201	6 2) /
					(Tota	al for Quest	ion 6 is 1 mark)
7	Here is a list of nu	mbers.					
	10	11 12	13	14 15	16 17	18 1	9
	From the numbers	on the list,					
	(a) write down a so	(a) write down a square number					
							16
	(b) write down a m	ultiple of 8				***************************************	(1)
							16
	(c) write down all	(c) write down all of the prime numbers on the list. (1)					
					11,	,13,1	7 and 19
***************************************		**************************************	······································		(Tota	l for Questi	on 7 is 3 marks)
8	Natalie drives from	London to Sh	effield.			11.30)
	Natalie leaves Lond	lon at 11.30 ar	n.		50((Pox		J 2 hours
	Natalie drives from Natalie leaves Lond Natalie drives for 2 The break lasts for 2 Natalie then takes a	$\frac{1}{4}$ hours befor	e stopping i	for a break. f	that are	13.30) 15 mins
	The break lasts for	25 minutes.		time!	con ()	13-45	5
	Natalie then takes a	nother 75 min	utes to reac	h Sheffield.		1400	1 15min
	What time does Nat					1410	JIOMINS
						1500	J 50 mins
						1525	J 2 hours J 15 mins J 15 mins J 10 mins J 50 mins J 25 mins
				3 - 2 5	SPM OR	15.	25
***************************************					(Tota	l for Questi	on 8 is 2 marks)

City City	Midnight Temperature	Midday Temperature
Madrid	3°C	11 °C
Munich	-11 °C	-7 °C
Budapest	-9 °C	-5 °C
Rome	-4 °C	6°C

(a) Write down the name of the city with the lowest midnight temperature.

Munich (1)

(b) Which city had the greatest rise in temperature from midnight to midday?

Rome (1)

(c) At midnight, how many degrees colder was Rome than Madrid?

<u>Z °c</u>

(Total for Question 9 is 3 marks)

Write the following fractions in order of size. Start with the smallest fraction.

 $\frac{3}{10} \frac{1}{3} \frac{2}{5} \frac{7}{15} \frac{1}{2}$

(Total for Question 10 is 2 marks)