NAPLAN NATIONAL ASSESSMENT PROGRAM Literacy and Numeracy AUSTRALIAN CURRICULUM, ASSESSMENT AND REPORTING AUTHORITY

NUMERACY NON-CALCULATOR





SESSION 2

40 min

Time available for students to complete test: 40 minutes



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	Top number	1	2	3	4		?
	Bottom number	3	6	9	12		27
	What is the top nu	nber wher	n the botto	om number	: is 27?		
	5	9		15		19	
	\bigcirc	\subset	C	\bigcirc		\bigcirc	
Which expression shows how much he has left to spend? $ \begin{array}{c} \circ & \$10 - \$1.99 \\ \circ & \$10 - \$1.99 + \$1.99 \\ \circ & \$10 - \$1.99 + \$1.99 \\ \circ & 3 \times (\$10 - \$1.99) \end{array} $ This spinner is spun twice. The two numbers that the arrow lands on are added. $ \begin{array}{c} \checkmark & 1 & 5 \\ 4 & & & 2 \\ \hline & & & & \\ \hline & & & & \\ \end{array} $ Which of these totals is most likely to occur?							
	Which of these tota 7	ls is most 1(-	ccur? 11		12	

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YEAR 9 NUMERACY (NON-CALCULATOR) Which of these is the closest to 0? 17 1.001 0.01 -0.1-0.001 \bigcirc \bigcirc \bigcirc \bigcirc Rani draws and labels 3 points, as shown below. 18 **5**Ĵ • (1,3) • (4,3) 3 2 • (2,1) 1 2 3 -2 -1 1 4 5 She wants to add another point so that all 4 points can be joined to make a parallelogram. Which of these is a possible coordinate for the 4th point? (-1, 1)(1, 4)(1, -1)(4, 1) \bigcirc \bigcirc \bigcirc \bigcirc Nick works in a factory packing chocolates into boxes. 19 He packs one box at a time. Each box contains 5 milk chocolates, 3 dark chocolates and 2 white chocolates. Every hour Nick packs a total of 300 chocolates. How many dark chocolates does he pack every hour?



	YEAR 9 NL		NON-CALC					
23	to 1500 homes?			omes. eople to deliver leaflets				
24	Tilly made a number pattern using this rule: $next number = previous number \times \square - \triangle$ (and \triangle are whole numbers) Her number pattern is: 2, 1, -1, -5, -13,							
	What is the next nu -29 O	-26	–25	21 〇				
25	In a group of Year 9 There are 4 more bo How many students 16	ys than girls in th	is group.	32				



	YEAR 9 NUMERACY (NON-CALCULATOR)							
29	A square pool for small children has sides which are 3 metres long. One cubic metre can hold 1000 litres of water.							
	How many litres of water will fill the pool to a depth of 50 centimetres ? litres							
30	The area of a rectangle is 60 mm^2 . The side lengths are doubled to make a new rectangle. What is the area of the new rectangle? 30 mm^2 120 mm^2 240 mm^2 360 mm^2							
31	Holly created a shape using various regular polygons. She began by using a triangle with a side length of 1 cm. She then added regular polygons, each with one more side than the previous one.							



Sue is $\frac{2}{3}$ the height of Zac.

Kumi is 15 centimetres taller than Sue.

How tall is Zac in centimetres?

centimetres

STOP – END OF TEST