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

Use 2B or HB pencil **only**

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YEAR 9 NUMERACY (NON-CALCULATOR) A group of 105 people were asked if they are left-handed or right-handed. 20 This table shows the results. Left-handed **Right-handed** Total Men 15 35 50 Women 10 45 55 Total 25 80 105 A man was selected at random. What is the probability that he is left-handed? 0.14 0.24 0.60 0.30 \bigcirc \bigcirc \bigcirc \bigcirc Which of the following is always equal to x - y? 21 -x-y-x+yy - x-y + x \bigcirc \bigcirc \bigcirc \bigcirc A plan of the lawn in Pat's backyard is shown. 22 3 m not to scale 2 m — 3 m Pat wants to fertilise the lawn in her backyard and needs to know the total area. What is the total area of Pat's lawn, in square metres? m²

23	Glen has 6 cups of	of sugar. A biscu	uit recipe uses	$\frac{3}{2}$ of a cup of sug	ar for each batch.							
	What is the great	4 What is the greatest number of batches Glen can make?										
	What is the great	3	1	i inturce.								
	6	$6\frac{3}{4}$	$7\frac{1}{2}$	8	12							
	0	0	0	0	0							
24	Paul is playing a	'Guess My Nur	nber' game.									
24	He gives these clues about his number.											
	Mu number is a square number											
	My number is a s	equare number.	ible by 2 and 9. Idigits.									
	My number has 2	2 digits.										
	What is Paul's n	umber?										
	-											
25	Leslie has read $\frac{3}{8}$	Leslie has read $\frac{5}{8}$ of a 256-page book.										
	Which decimal shows how much of the book Leslie has read?											
	0.160	0.320	0.375	0.580	0.625							
	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc							
00	Jason wants to m	ultiply 35 × 62.										
20	Which of these e	Which of these expressions will give Jason the correct answer?										
	\bigcirc (30 × 60) + (5 × 2)											
	\bigcirc (30 × 2) + (6	0 × 5)										
	○ (30 × 62) + (5 × 62)										
	◯ (30 × 60) + ($30 \times 2) + (60 \times 5)$)									

27									
	Holly is saving to buy her first car. She created a table to keep track of her savings								
	Number of months (r)			8	10				
	Amount in Holly's savings account (y)	310	430	550	630				
	Complete the rule for the linear relationship between the amount of money in Holly's savings account and the number of months of saving. y = $x + 230$								
28	Michelle bought a pair of sunglasses which cost \$19.50 before the Goods and Services Tax (GST) was added.								
	How much did Michelle's sunglasses cost after adding the 10% GST?								
29	Harper has a tablecloth with an area of 3 square metres. What is the area of his tablecloth in square centimetres?								
	9 cm^2 30 cm^2 300	cm ²	30 00	00 cm ²	90 (000 cm ²			
		\supset	C	\bigcirc		0			
30	Sam rents a truck from a hire company.		1						

YEAR 9 NUMERACY (NON-CALCULATOR) Mona can walk from home to school following the roads, or she can cut across 31 a vacant block as shown in the diagram below. Along the roads she walks 600 metres east and 800 metres south. 600 m home $\overline{}$ 800 m school How many metres less does she walk by going across the vacant block? m This table shows the receiving areas of two large radio telescopes. 32 Name of telescope **Receiving area** SKA 1 square kilometre ASKAP 4000 square metres What is the ratio of the receiving area of the ASKAP telescope to the receiving area of the SKA telescope? 2:5 4:1 1:200 1:250 4000:1 \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc **STOP – END OF TEST**