NAPLAN NATIONAL ASSESSMENT PROGRAM Literacy and Numeracy

AUSTRALIAN CURRICULUM, ASSESSMENT AND REPORTING AUTHORITY

NUMERACY CALCULATOR ALLOWED



YEAR 9 2015



SESSION 1

Time available for students to complete test: 40 minutes

Use 2B or HB pencil only

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4	$y = 2x^2 - 8$				
-	What is the value of	<i>y</i> when <i>x</i> = 2.2?			
	- 6.32	0.8	1.68	11.36	
	0	\bigcirc	0	0	
5	The speed of sound	at sea level is 340	metres per secono	1.	
	34 000	20 400	5 7	3.4	
		\bigcirc	0	\bigcirc	
6	What is the value of	$\frac{63.4 + 28.24}{9.2 \times 1.6}$ rous	nded to one decin	nal place?	
	6.2	15.9	24.5	68.3	
	\bigcirc	0	0	\bigcirc	
7	A cardboard box is it It is filled with ident Which of these is the 25	n the shape of a c ical small cubes of e closest estimate 40	ube. f the size shown. for the number of 200	cubes that would fill 800	the box?
					© ACABA 201

8	One billion is one	thousand million.							
	Which of the follow 7×10^{13}	wing is 70 billion? 7×10^{10}	$ \pi 107 $	7 104					
	/ × 10 ¹⁵	/ × 10 ¹⁰	/ × 10 [,]	/ × 10*					
		0	0	0					
٩	There are 12 apple	s and 7 pears in a bo	wl.						
3	About what percentage of the fruit in the bowl is pears?								
	7%	37%	58%	63%					
	0	0	0	\bigcirc					
10	Which one of these								
10	$40^2 \div 4$	$2 \times 2 \times 5 \times 2 \times 5$	4×5^{2}	$2 \times 10 \times 10$					
	0	0	0	0					
11	A concert starts at 10:28 am and runs for 124 minutes. What time does it finish?								
	11:52 am	11:52 pm	12:32 am	12:32 pm					
	0	0	0	\bigcirc					
12	The diagram show	vs an isosceles triangl	e.						
	В								
	What is the size of	the angle $\angle ABC$?							
	38.5°	45°	51.5°	60°					
	\bigcirc	\bigcirc	\bigcirc	\bigcirc					

The petrol gauge in Lyn's car showed that she had used half of the petrol in the tank. 13 She then spent \$42 filling up her tank at a cost of \$1.35 per litre. Approximately how much petrol can Lyn's petrol tank hold when it is full? 31 litres 57 litres 62 litres 84 litres \bigcirc \bigcirc \bigcirc \bigcirc Teagan and Caleb collected money for charity over a month. 14 If Caleb had collected \$10 more, he would have collected exactly twice as much as Teagan. Which row of the table shows how much money they could have collected? Teagan Caleb \bigcirc \$15 \$30 \bigcirc \$20 \$50 \$25 \$40 \bigcirc \$30 \$80 \bigcirc 15 Continent Number of cars produced Africa 636 519 Asia/Oceania 45 800 878 Europe 19 726 405 North America 21 136 313 South America 4 288 654 How many more cars were produced in North and South America than in Europe and Africa? © ACARA 2015





23	Sarah was colle By Sunday nig On Monday sh 75% of her targ What was Sara \$	ecting ht sho ne coll get an h's ta	g money e had co lected ar nount. arget am	for charity llected 55% nother \$70, nount?	7. 6 of her target which meant	t amount. : she had now col	llected
24	Kim uses stick	s to n	nake a p	attern of so	quares.		
	Number of squares Number of sticks	1	3 10	6	10 28	15 40	
	When a shape consists of 28 squares, how many sticks will the shape have?						
25	The total lengt What is the vo	h of a lume cn	ll edges of the cu n ³	of a cube i ube?	is 156 cm.		

	Which statement is always true?							
(
(The opposite angles of a kite are equal in size. 							
	The opposite sides of a trap	ezium are equa	al in length.					
(The diagonals of a parallelo	gram are equal	l in length.					
(☐ The angles formed by the ir	ntersection of th	ne diagonals of a	rhombus				
	are equal in size.		C					
	A new power drill was on sale w	ith 15% discour	nt.					
	As a regular customer, Peter rece	ived a further 1	0% on the alread	dy discounted price.				
۲	What was the overall percentage	discount Peter	received?	5 1				
	1.5% 12.5%	16.5%	23 5%	25%				
		10.5 %						
	0 0	\bigcirc	\bigcirc	\bigcirc				
I	10 m							
	4 m	n	ot to scale					
[\bigstar	\diamond						
]	He used an equal number of black and white tiles to finish off the edges.							
r	The table shows the price of each kind of tile.							
	Price \$15 \$10 \$7							
	What was the total cost of the tile	es he used?						
	What was the total cost of the tile	es he used?						
	What was the total cost of the tile	es he used?						



