

NATIONAL ASSESSMENT PROGRAM LITERACY AND NUMERACY

NUMERACY CALCULATOR ALLOWED



YEAR
7
2009



SESSION 1 Time available for students to complete test: 40 minutes

Use 2B or HB pencil only

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0:40

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	PRACTICE	QUESTIONS			
P1	50 , 100 , 1 Which number	50 , 200 , 25 (c comes next in thi	D, ?		Shade one bubble.
	251	260	300	350 〇	
P2	Jim gets paid \$ He worked for How much dic \$	510 per hour. 5 hours. 1 Jim earn?			
P3	\$1 = 100 cents Complete the t	able.			
	\$	cents			
	1	100			
	2	200			
	5				
P4	Write a fraction	n equivalent to on	e half.		Write your answer in the boxes.
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Trevor drew this shape on a grid.

He then doubled the height and width of the shape.

Which drawing shows this?



Shade one bubble.

4	Edward travelle What was his av	Shade one bubble.			
	50	55	70	220	
	0	0	0	0	
5	Two places are 4 On the map 1 cm	7 cm apart on a 1 represents 5 km	map. n.		
	What is the actu	al distance betw	reen the two pla	ces?	
	1.06 km	9.4 km	23.5 km	47 km	
6	The area of Aust What is this area 7000000	ralia is 7686850 rounded to the 7600000	square kilomet nearest thousar 7686000 	res. nd square kilon 7687000 〇	netres?
7	$\begin{array}{c} & & & \\ & & & \\ & & & \\ & & & \\ \end{array}$ The arrow point What number is	$\frac{1}{2}$ -1 0 1 s to a position o at this position?	2 $3n the number line$	ne.	Write your answer in the box.
8	Sean wrote a nu If he multiplied the answer wou What was Sean's	mber on a piece his number by 5 ld be 30. 5 number?	of paper. 5 and then divid	ed by 2,	
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Family name	Number of people	Mass of family luggage
Nguyen	<u> </u>	61 kg
Boyd	<u>፟፟</u> ተ	87 kg
Clarke	<u>፟፟</u> ת ת ת ת ת ת ת ת ת ת ת ת ת ת ת ת ת ת	111 kg
Agostini	፟፟፟፟፟፟፟፟፟ ללללללללל	131 kg

Which family had more than 22kg of luggage per person?





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15	Sam is building a	wooden fence	that is 4.8 metre	s long.	Shade one
	He is using planks	s that are all 0.	12 metres wide.	0	bubble.
	There are no gaps	between the p	olanks.		•
	4		- 48m ———		>
			4.0 m		
				(22	ut to poole)
		plank		(nc	ot to scale)
	How should Sam	calculate how	many planks he	will need altog	gether?
	-48 ± 0.12				
	0.12 ± 4.8				
	$- 48 \times 0.12$				
	4.0×0.12				
	4.8 - 0.12				
16	45 × ♦ = 18				
	What is the value	of ♦?			
	2	2	-	-	
	$\frac{2}{5}$	<u> </u>	<u> </u>	$\frac{3}{3}$	
	5			5	
	0	0	0	0	
17	Alex bought 3 pie	ces of fish and	a \$2 bag of chip	S.	
	The cost was \$11.9	90.			
	What would 2 pie	ces of fish and	a \$1 bag of chip	s cost?	
	\$9.90	\$8.90	\$8.60	\$7.60	
	Ŭ	J	Ŭ		



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24	This hexag	on patt	ern is ma	de with sticks	5.			Shade one bubble.	
	Hexagons		\bigcirc	$\bigcirc \bigcirc \bigcirc \bigcirc$		\sum			
	Number of hexagons	1	2	3	4		10		
	Number of sticks	6	11	16	21		?		
	How many	v sticks	are neede	ed to make 10	of these he	exagons	?		
	51		53	55	5	60			
	0		0)	\bigcirc			
	The mean (One more i	(averag number	e) of five r is addec	numbers is 34 1 and the mea	4. n becomes	35.			
	The number	er adde	d is						OB
	34		35	40)	69			AT
	0		0	C		\bigcirc			
26	Emma used There were She used 6	d ident e 12 cub 0 cubes	ical cubes bes in its b altogeth	s to build a ree oase. er.	ctangular p	rism.			CAL
	Which of th	hese co	uld be the	e dimensions	of Emma's	prism?			
	$10 \times 1 \times$	< 6	2 × 6	× 10	$4 \times 3 \times 5$,	$3 \times 4 \times 6$	6	
	0		C)	\bigcirc		0		
27	A rule to ca	alculate	e the amo	unt of medici	ne (mL) a c	hild nee	eds is:		
	Child amor	unt = (4	Adult am	ount × Age of	f child) ÷ (A	Age of c	hild + 1	2)	
	Use this ru	le to co	mplete tl	ne table.			_ (Write your answer in the box.	
	Adult ar (m	mount L)	A	ge of child (years)	Child a (ml	mount _)		•	
	10)		8					

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A triangle is divided into 2 parts by a straight line.



The angles are then labelled.



Which statement is true about the sum of angles?

a + b + c = 180
c + d + e + f = 360
a + b + g = 360
a + g + f + e = 180

This plan shows 3 blocks of land. Their areas are measured in acres.



1 hectare = 2.47 acres

The total area of the 3 blocks in hectares is closest to



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30	This pyramid has a square base. Solution Solution The area of the square base is 52 900 m What is the length (m) of one side of the	ղ². he base?	Write your answer in the box.				
31	Carlos has 3 times as many orange tre Altogether he has 76 trees. How many orange trees does he have	es as lemon trees.		ATOR			
32	Sue draws a polygon. It has a certain number of 120° angles and the same number of 150° angles. It has no other angles. The polygon is		Shade one bubble.	CALCUL			
	a pentagon. a hexagon.	an octagon.	a decagon.				
	END OF TEST						

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