

NATIONAL ASSESSMENT PROGRAM LITERACY AND NUMERACY

NUMERACY **NON-CALCULATOR**

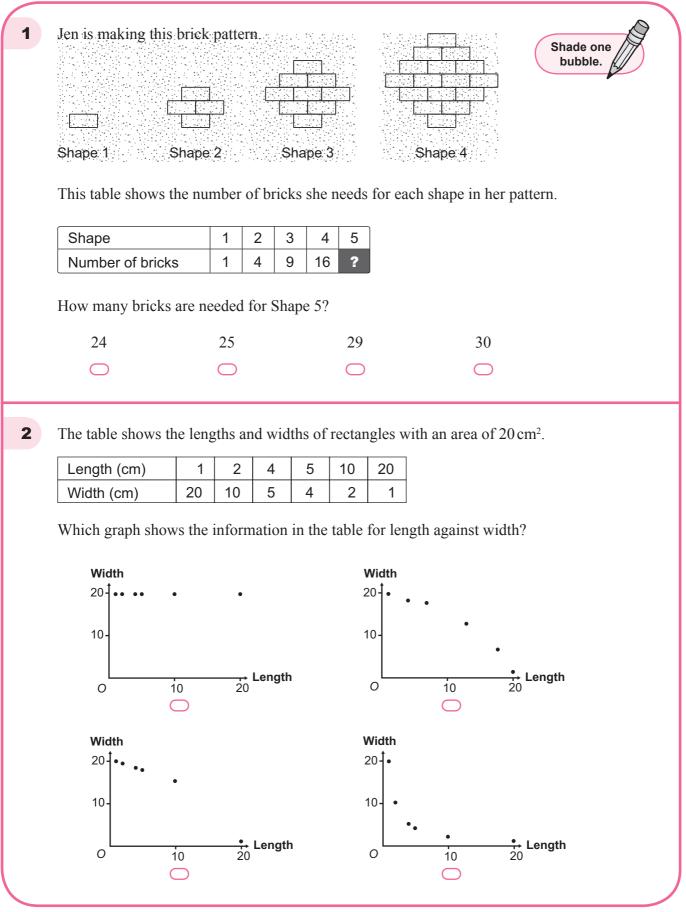


YEAR 800

SESSION 1 Time available for students to complete

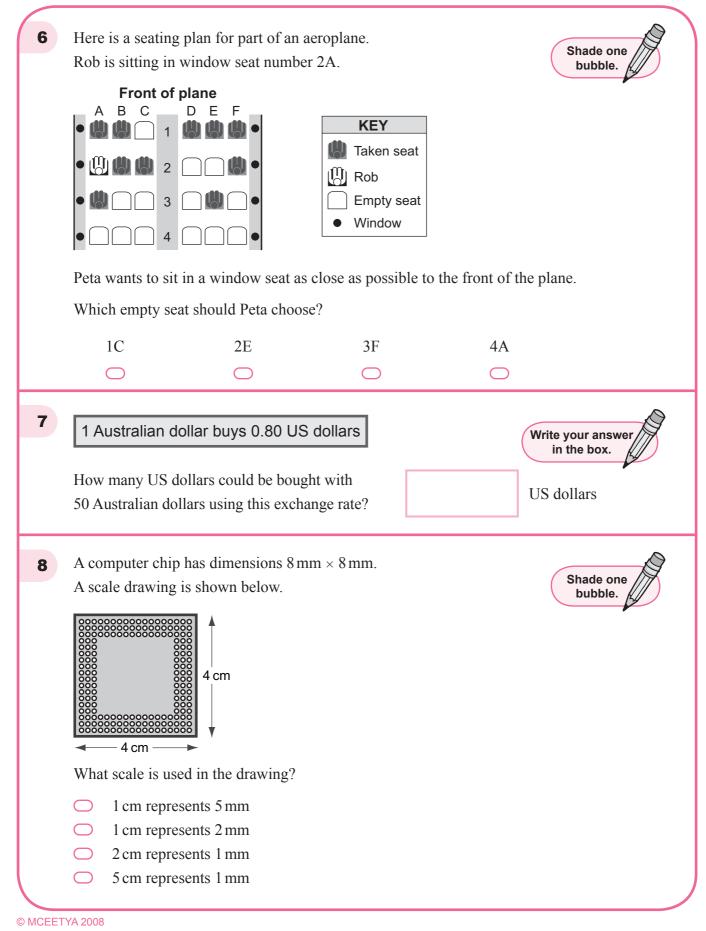
test: 40 minutes

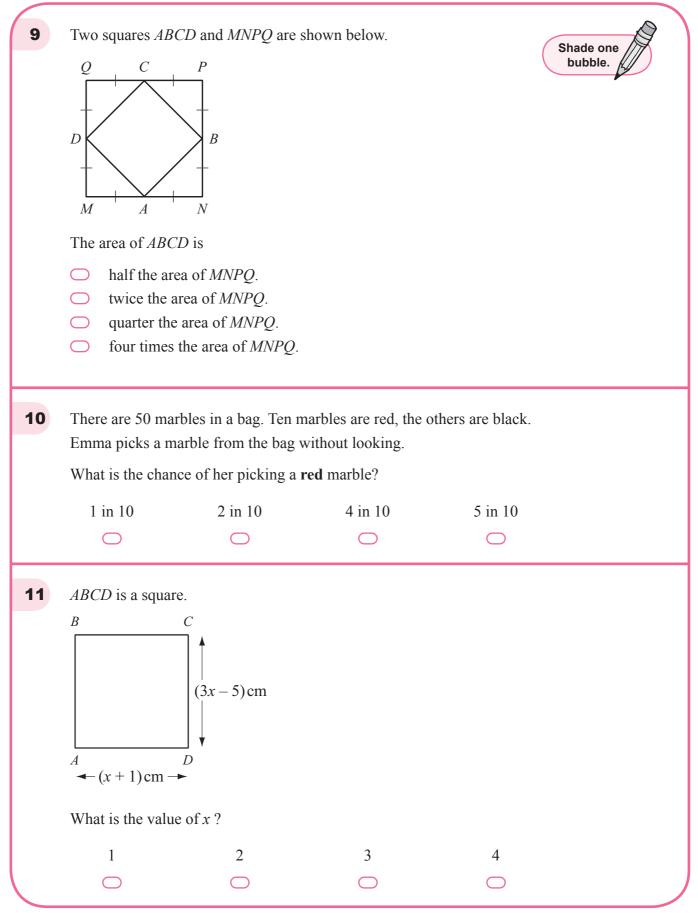
Use 2B or HB pencil **only**

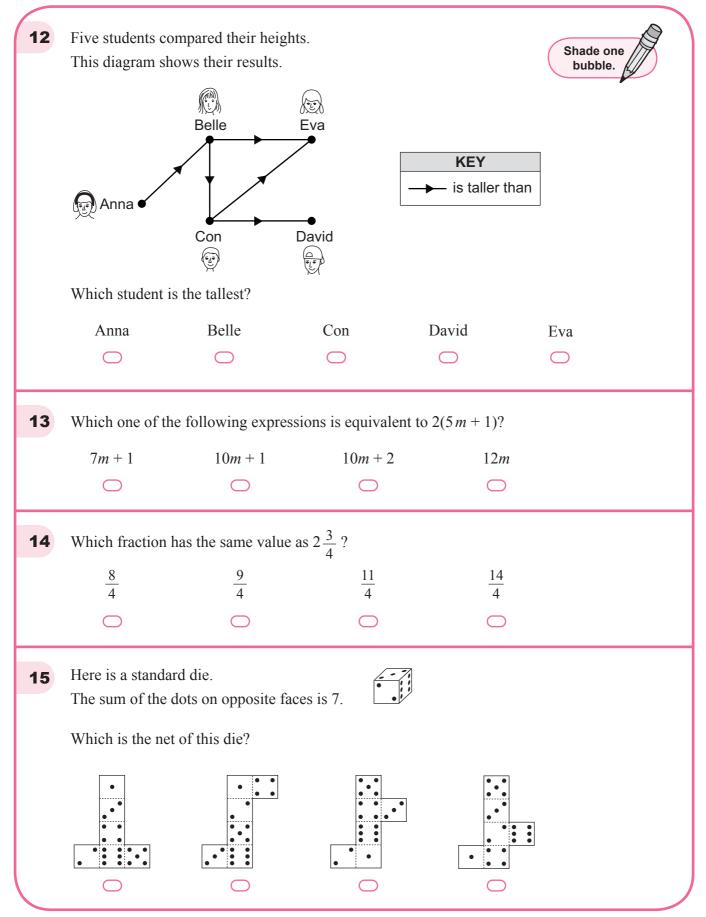


3	A ramp makes an ang	Shade one bubble.		
	What is the value of a 45		65 〇	75
4	9, 11, 12, 12, 18 He put these scores in	red in his last ten basket 3, 20, 21, 22, 22, 30 nto a stem-and-leaf plot.]	Write your answer in the box.
	Stem Leaf 3 0 2 122 1 1228 0 9	KEY 3 0 = 30 points	S	
	Which score is missing	ng from the plot?		
5	Which pair of solid o to make a cube?	bjects cannot be joined	together	Shade one bubble.
		\bigcirc	\bigcirc	

3







[©] MCEETYA 2008

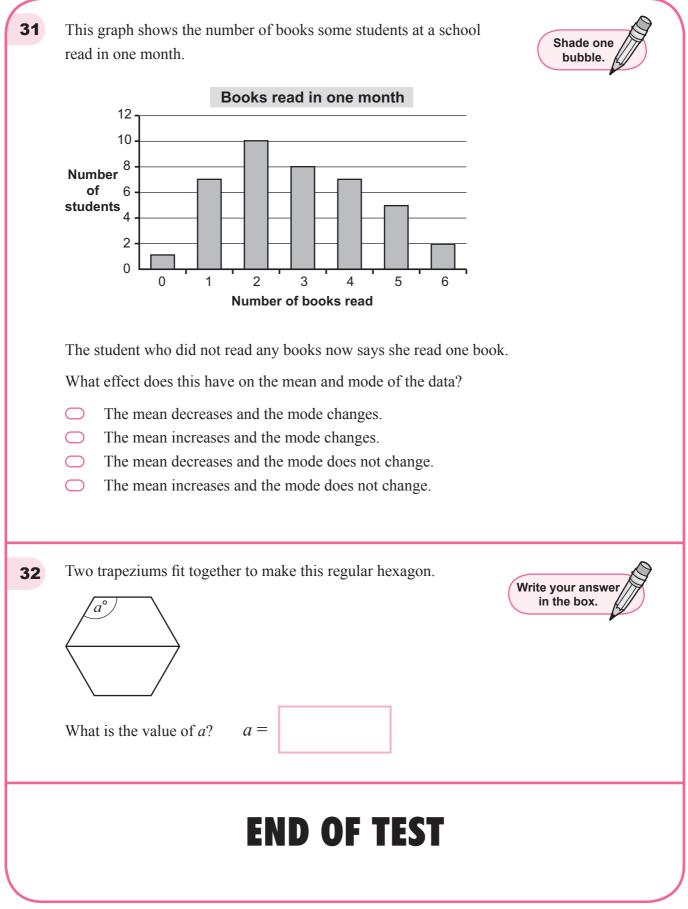
16	10° 10° 90° 80° 70° 10° 10° 90° 80° 70° 12° 10° 10° 90° 80° 70° 12° 10° 10° 90° 80° 70° 10° 10° 10° 10° 60° 0° 0° 0° 10° 10° 10° 10° 0°	Write your answer in the box.				
	What is the size of the angle in the shaded triangle marked degrees	by the arrow?				
17	Mark made this solid object using 36 cubes.	Shade one bubble.				
	He then painted the complete surface area of the object grey.					
	The object is then broken apart into 36 cubes.					
	How many cubes have no grey faces?					
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	9				
	0 0 0	0				
18	This jug has some milk in it. $ \begin{array}{c} $	Write your answer in the box.				
	If Eve adds an extra 500 mL of milk to the jug,					
	how many millilitres (mL) of milk will then be in the jug?	mL				
		© MCEETYA 2008				

7

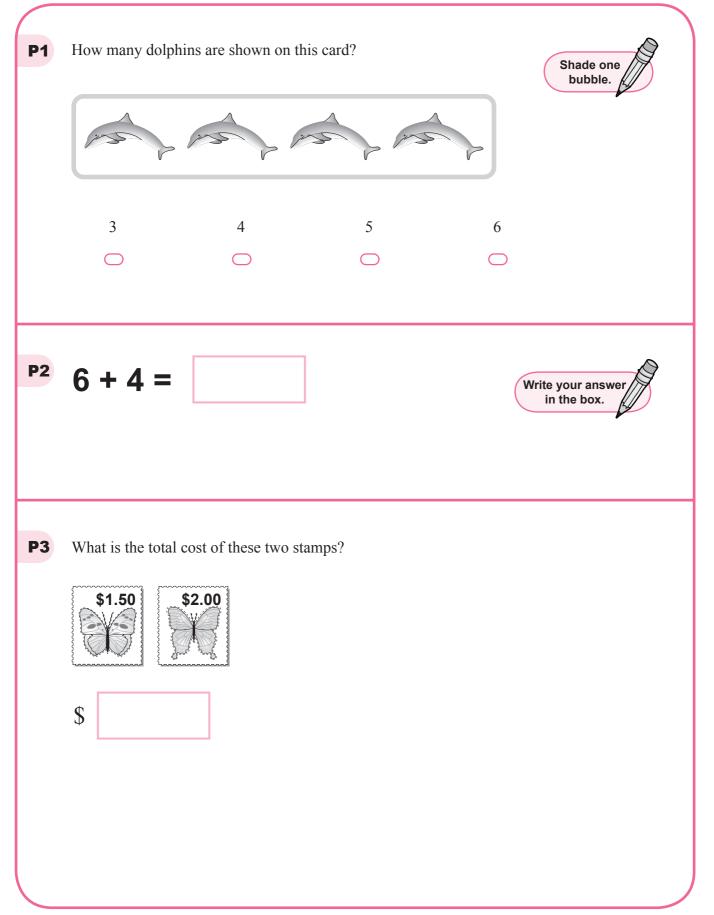
19	Ann recorded the colour of 50 cars in this table.				Irite your answer in the box.		
	Car colour	Number of cars					
	White	25					
	Blue	4					
	Yellow	5					
	Red	?					
	TOTAL	50					
	What percer	ntage of the c	ars is red?			%	
20	Tony drove His average		2	was 60 km per h	our.		
	How long di	d he take to	travel the last	: 120 km?			hours
21	What is the answer to $6.6 \div 0.3$?				Shade one		
	0.022	(0.22	2.2		22	bubble.
	\bigcirc		0	\bigcirc		\bigcirc	·
22	Р				Q	R	2
	$-120 \text{ m} \rightarrow -120 \text{ m}$						
		The distance from P to Q is four times the distance from Q to R . The distance from P to R is 120 metres.					
	The distance		is 120 metre				
	The distance	e from <i>P</i> to <i>R</i> distance from	is 120 metre		31	0 metres	
	The distance What is the	e from <i>P</i> to <i>R</i> distance from	? is 120 metre n <i>Q</i> to <i>R</i> ?	S.	3	0 metres	

23	5b - 4 = 2b + 1 What is the value	7 of <i>b</i> in this equatio	m? b =	Write your answer in the box.		
24	A signal at a pedestrian crossing near Sam's house stays red for 30 seconds. It then changes to green for 20 seconds. What is the probability that it will be green the next time Sam wants to use this crossing?					
	0.2	0.4	0.5	0.6		
	\bigcirc	\bigcirc	\bigcirc	\bigcirc		
25	In a set of four consecutive whole numbers, the largest number is given the value v . The smallest number in the set has a value of					
	v + 3	4-v	v-4	v-3		
	\bigcirc	\bigcirc	\bigcirc	\bigcirc		
26	The graph of $y = 2x - 5$ will be drawn on this grid. $ \begin{array}{ccccccccccccccccccccccccccccccccccc$					
	Which two points will the straight line pass through?					
	A and B	B and C	B and D	A and C		
	\bigcirc	\bigcirc	\bigcirc	\bigcirc		

27	John has these four number cards.	Shade one bubble.
	Which two cards show numbers with the same value? 3 ⁴ and 4 ³ 3 ⁴ and 6 ² 2 ⁶ and 6 ² o	2 ⁶ and 4 ³
28	The value of $7m^2$ when $m = -3$ is -63 -42 63 441 0 0 0 0	
29	On Monday Tim read 40% of a book. On Tuesday he read 25% of the remaining pages of the book. What percentage of the whole book did Tim read on Tuesday?	Write your answer in the box. $0/0$
30	The height (<i>h</i> metres) and age (<i>a</i> years) of a tree are related by the following inequality: h < 4a - 3 for values of <i>a</i> between 1 and 10	Shade one bubble.
	Which pair of values satisfy this inequality? h = 2 and a = 1 $h = 6 and a = 2$ $h = 10 and a = 3$ $h = 20 and a = 6$ (A 2008)	



YEAR 9 NUMERACY PRACTICE QUESTIONS



© Curriculum Corporation, on behalf of the Ministerial Council on Education, Employment, Training and Youth Affairs, 2008.