

SESSION 1

Time available for students to complete test: 40 minutes

Use 2B or HB pencil **only**

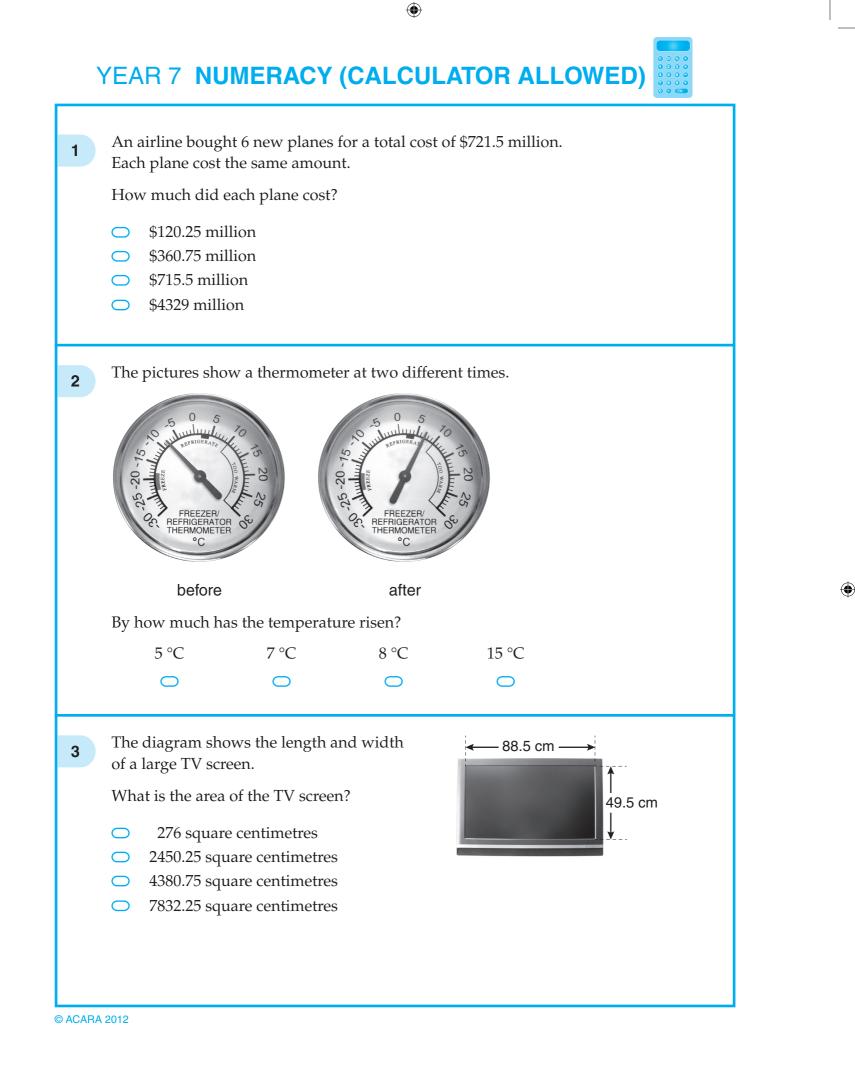
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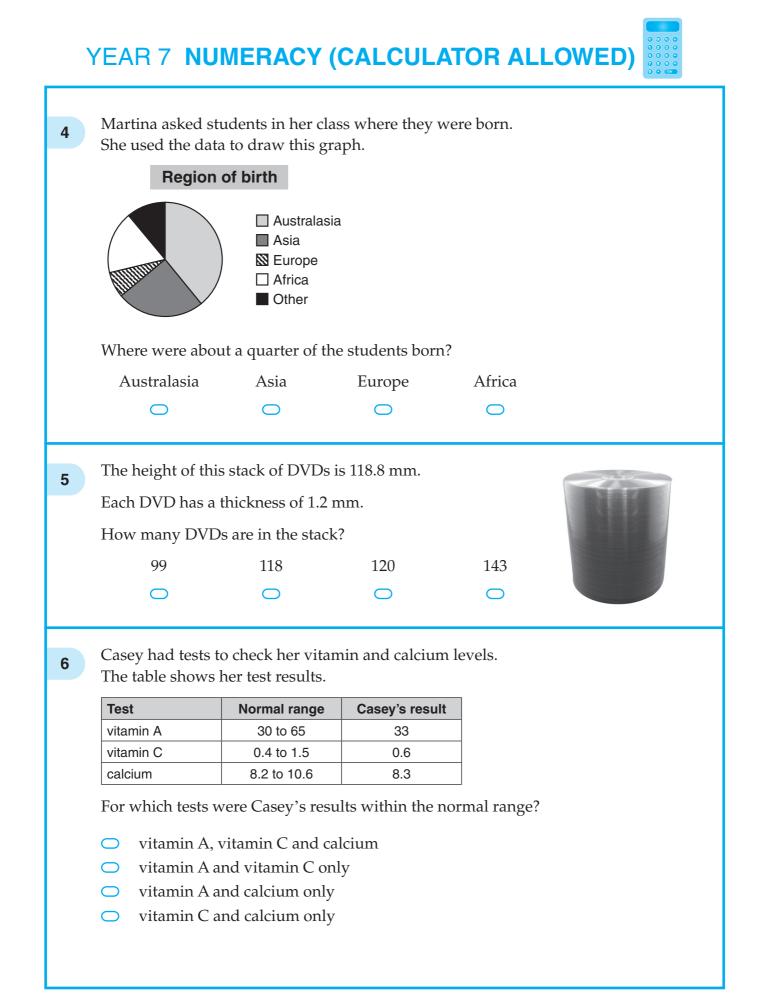
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Do not write on this page.

	PRACTICE Q	UESTIONS			
P1	50, 100, 150, 20				
	Which number of				
	251	260	300	350	
	\bigcirc	\bigcirc	\bigcirc	\bigcirc	
P2	Write a number	in the box to ma	ke this number	sentence correct.	
	6 + 4 =				
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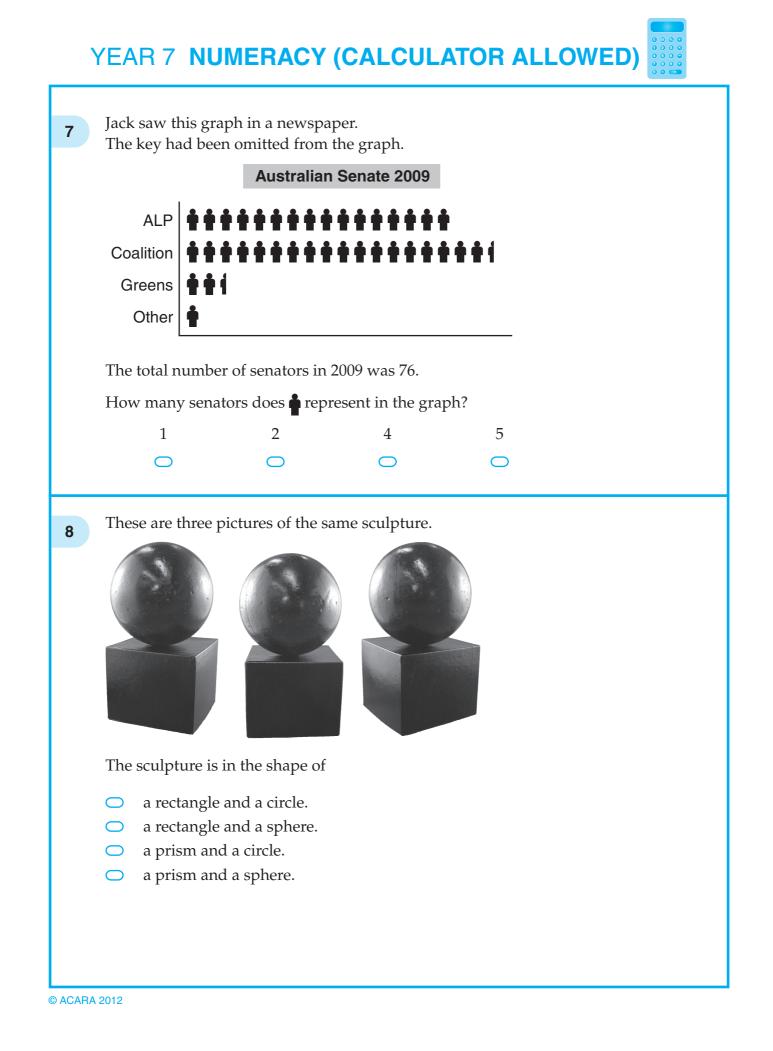
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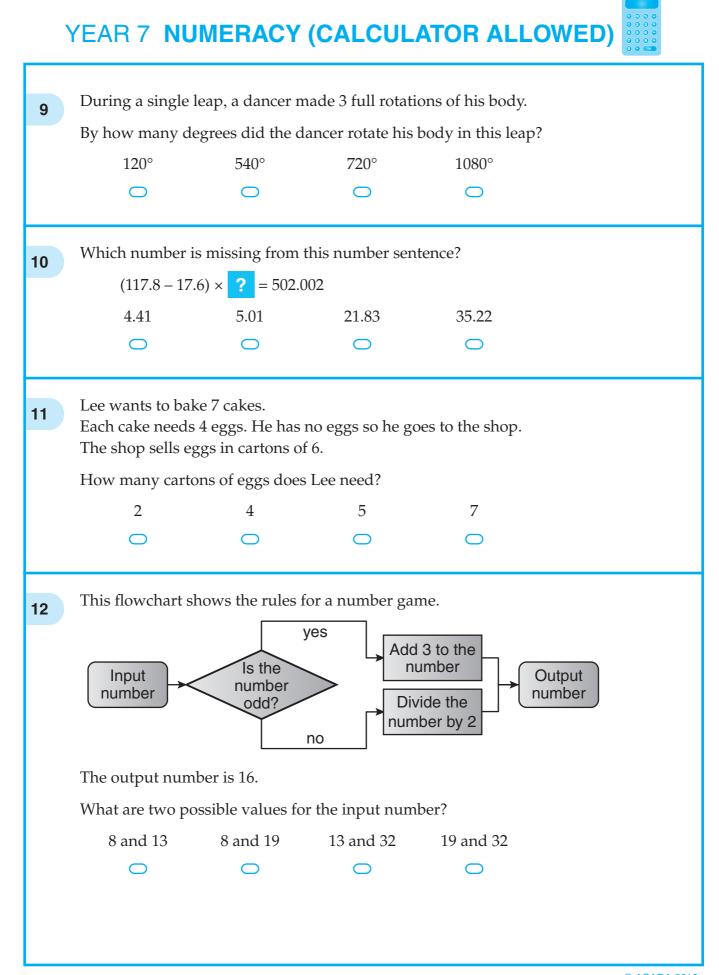
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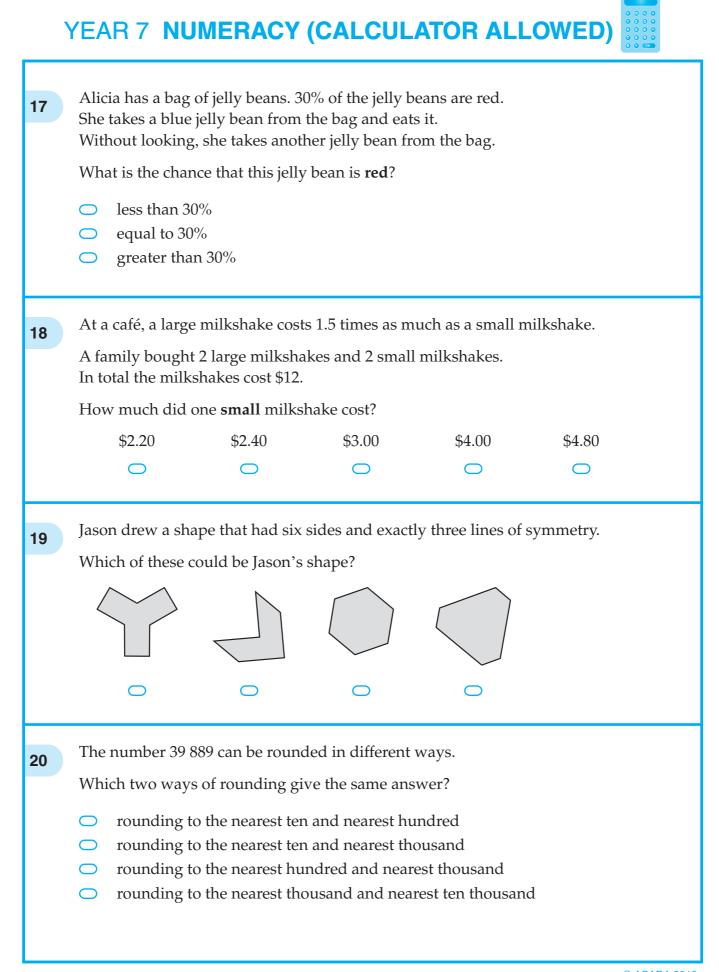
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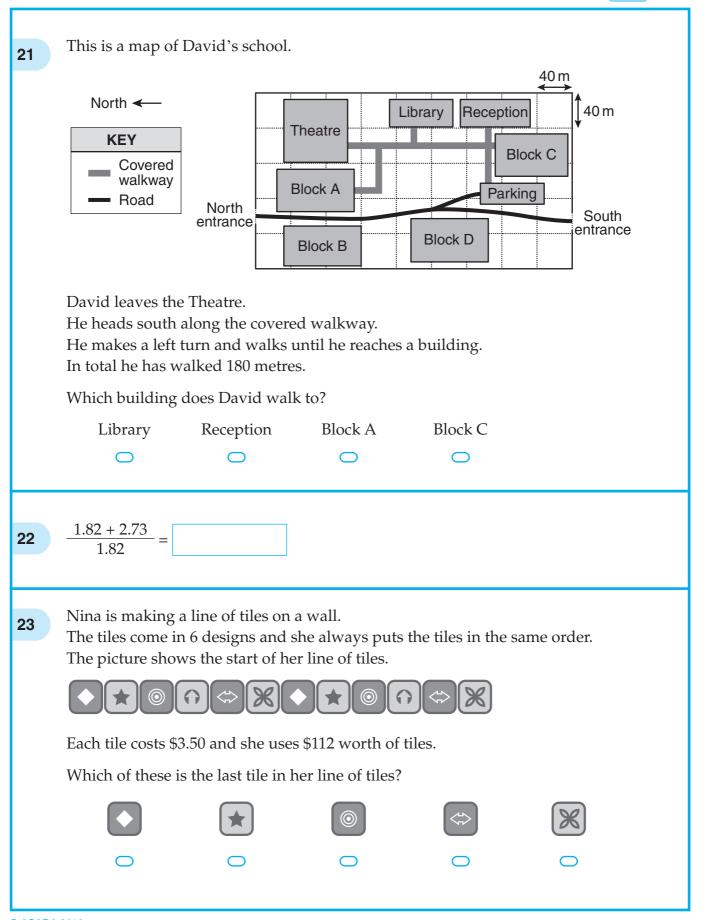
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13		n shaves his hea	5		
		nis hair for the re	-		
	This year the m	ass of the hair he	shaved off was	s 75 grams.	
	On average, abo	out how many gr	ams of hair did	he grow per day ?	
	0.2 grams	0.75 grams	1.4 grams	6.3 grams	
	0	0	0	\bigcirc	
14	Which of these	prisms has exactl	y six faces?		
	🗢 a triangula	ar prism			
	 a rectangu 	-			
	 a pentagor 	nal prism			
	 a hexagon 	al prism			
15	OPENING I Monday - 7am -	Friday			
	0	0	0	0	
16	In a year she ea	he same amount rns \$30 000. s she earn in 8 m			
	\$2 500	\$3 750	\$20 000	\$24 000	
	φ2 300	φ3 7 30	φ20 000	φ24 000	
	\cup				
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24	Jake made this number pattern.
	2, 3, 6, 15, ?
	This is the rule for the number pattern:
	$next number = previous number \times \blacklozenge - \blacklozenge$
	where each \blacklozenge represents the same value.
	What is the next number in Jake's pattern?
	28 29 33 42 45
	0 0 0 0
25	Tania had two identical pieces of plastic pipe. She cut one piece into five equal lengths and the other piece in half. The longer pieces were 9 cm longer than the short pieces, as shown. $\underbrace{\begin{array}{c} \hline \\ \hline $
26	Uma and Damien are playing a board game. They have two standard 6-sided dice. The dice are different sizes. Uma needs to roll a total of 3 to win. There are two different ways she can roll a total of 3 as shown. $\mathbf{I} = \mathbf{I} + \mathbf{I} = \mathbf{I} = \mathbf{I}$, and $\mathbf{I} = \mathbf{I} + \mathbf{I} = \mathbf{I} = \mathbf{I}$ Damien has to roll a total of 8 to win. How many different ways can Damien roll a total of 8?

YEAR 7 NUMERACY (CALCULATOR ALLOWED) The cross-section of a cone is the 2D shape you get when you slice it parallel to 27 its base. Which of these is a cross-section of a cone? \frown \bigcirc This stack of bricks has been delivered to a building site. 28 The stack is 7 bricks high, 12 bricks wide and 5 bricks deep. There are two holes in the stack that go from one side to the other. Each hole is 1 brick high and 2 bricks wide. How many bricks are in the stack? Erica used a computer to make a pattern of triangles. 29 Number of black triangles 81 3 9 27 243 1 . . . 0 1 4 Number of white triangles 13 40 121 . . . Erica continued the pattern until the shape had 6561 black triangles. How many white triangles did the shape have? 30 How many degrees does the hour hand of a clock turn in 30 minutes? degrees © ACARA 2012

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	Shauna plotted five points on this square grid.
31	
	Point <i>K</i> is 28 millimetres from point <i>L</i> . Shauna adds a sixth point, <i>M</i> , so that the arrangement of points has
	one line of symmetry.
	How far is point <i>M</i> from point <i>J</i> ?
	millimetres
	Barney has a bag of \$1 and \$2 coins.
32	Daniey has a bag of \$1 and \$2 coms.
	The total mass of the coins is 71 / grams
	The total mass of the coins is 71.4 grams. Barney knows that:
	Barney knows that:
	Barney knows that:the mass of a \$1 coin is 9 grams and
	 Barney knows that: the mass of a \$1 coin is 9 grams and the mass of a \$2 coin is 6.6 grams.
	 Barney knows that: the mass of a \$1 coin is 9 grams and the mass of a \$2 coin is 6.6 grams. What is the smallest mass of exactly \$3 worth of coins?
	 Barney knows that: the mass of a \$1 coin is 9 grams and the mass of a \$2 coin is 6.6 grams. What is the smallest mass of exactly \$3 worth of coins? grams What is the total value of the coins in the bag?
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