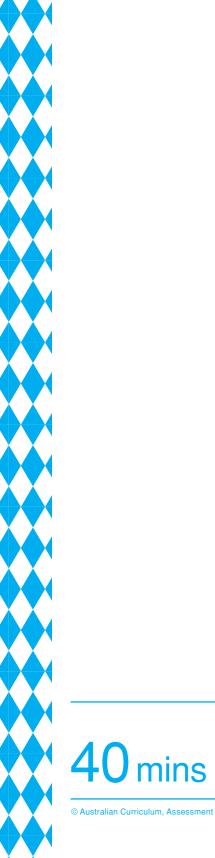
NAPLAN NATIONAL ASSESSMENT PROGRAM Literacy and Numeracy

AUSTRALIAN CURRICULUM, ASSESSMENT AND REPORTING AUTHORITY

NUMERACY CALCULATOR ALLOWED



YEAR 9 2014



SESSION 1

Time available for students to complete test: 40 minutes

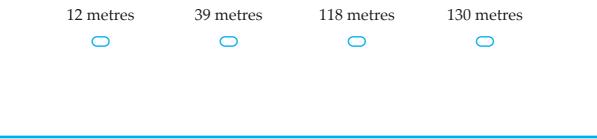
Use 2B or HB pencil only

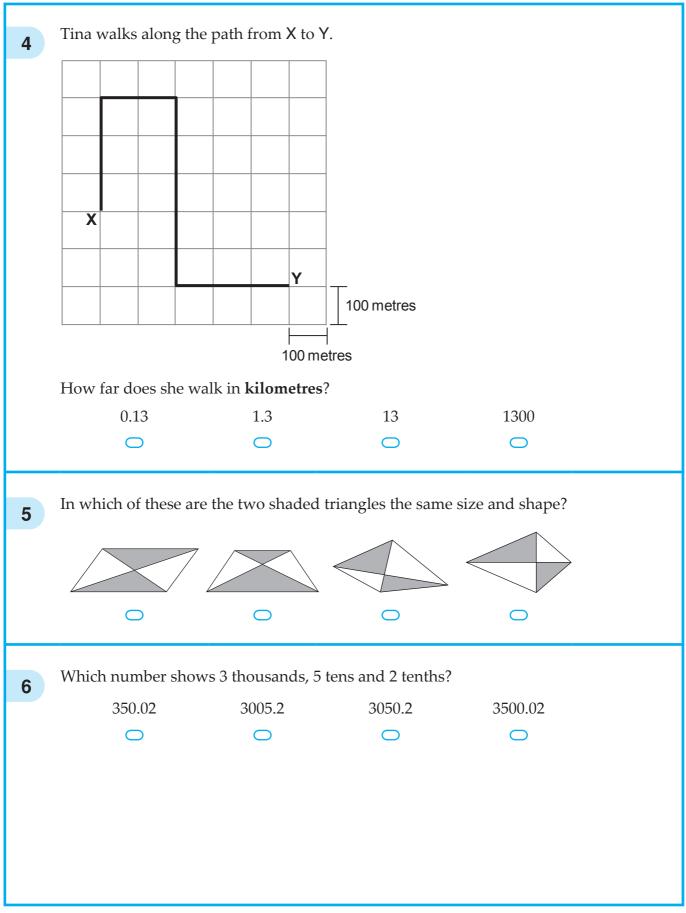
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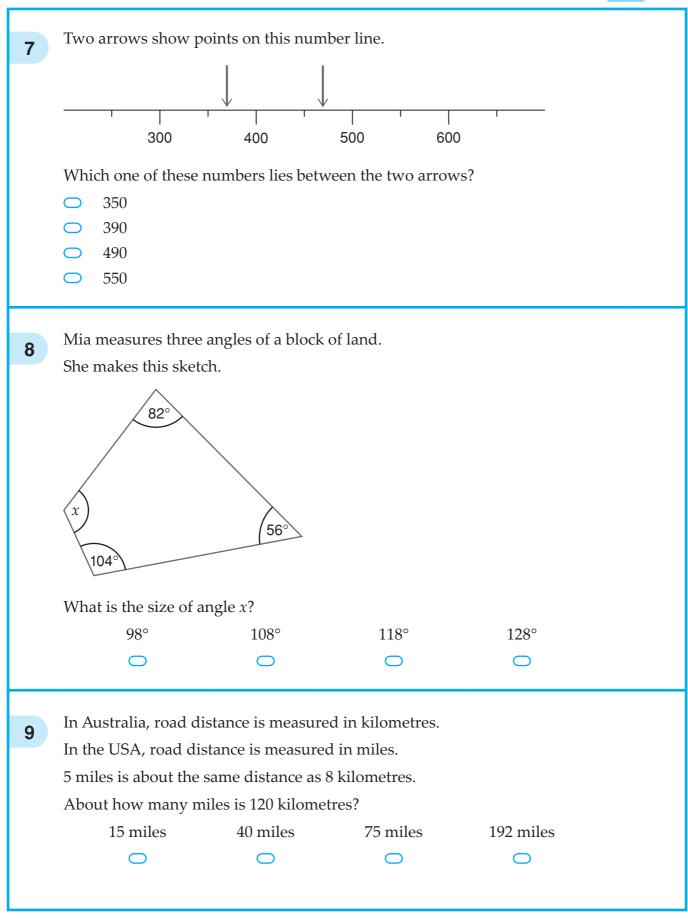
1	A total of 301 617 babies were born in Australia in 2011. Of these babies, 146 621 were girls. How many boys were born in Australia in 2011?				
	154 996	245 016	301 617	448 238	
	0	0	0	0	
2	Rose tosses a fair coin 100 times. Which of these results is most likely?				
	98 heads	53 heads	39 heads	26 heads	
	0	0	0	\bigcirc	
3	This table shows some information about Australia's 10 tallest structures.				

Name of structure	Height (m)	Location
Omega Mast	427	Woodside
Holt Main Mast	389	Exmouth
Holt Outer Mast	364	Exmouth
Q1 Tower	322	Gold Coast
Sydney Tower	309	Sydney
Holt Inner Mast	304	Exmouth
Eureka Tower	297	Melbourne
The Rialto	270	Melbourne
MIM Stack	270	Mount Isa
120 Collins St	264	Melbourne

How much taller than Melbourne's tallest structure is Sydney's tallest structure?



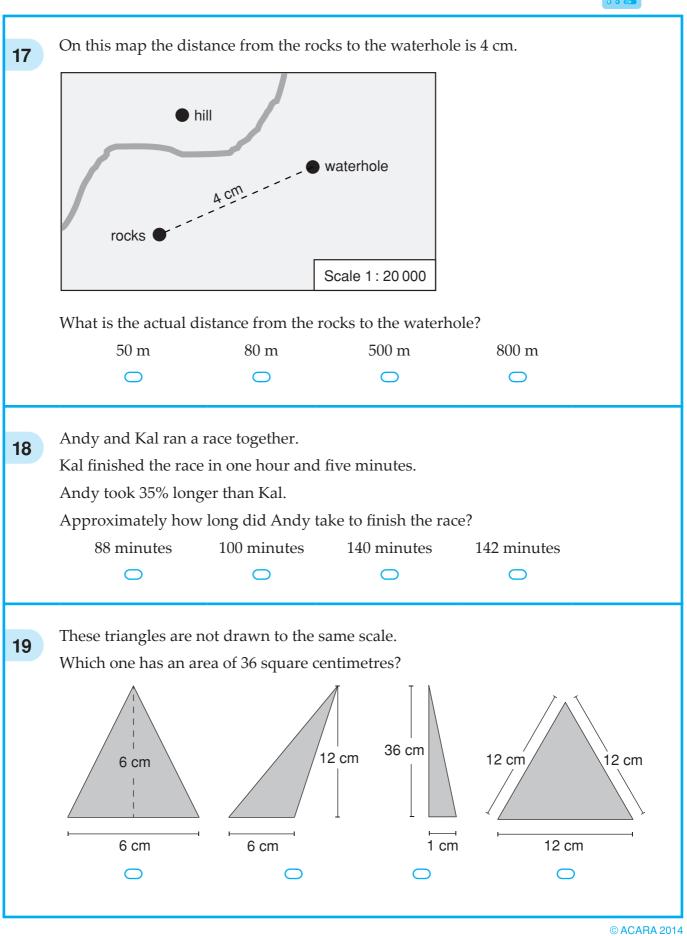


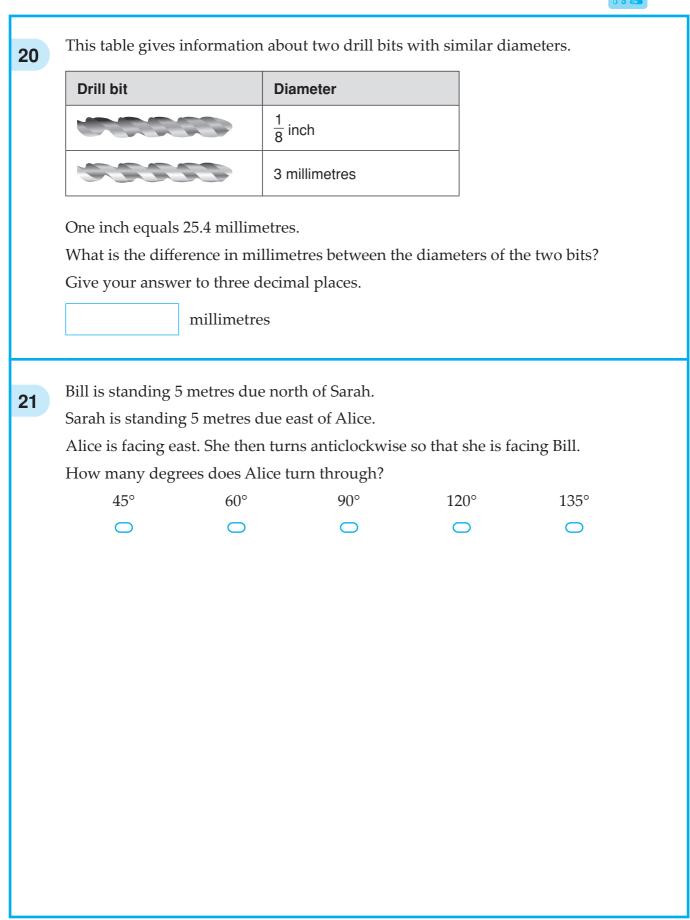


10	Indra is shading squa	res in this grid t	o make a pattern.		

	are a construction of the second seco				
	He needs to shade so	me extra squares	s so that the dotted	line will be a	
	line of symmetry.				
	What is the smallest r	number of extra	squares he needs to		
	1	3	4	5	
	0	\bigcirc	0	\bigcirc	
11	Which of these best d	escribes the cha	nce of an event that	is very likely?	
	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{5}{6}$	1	
	3	2	6	1	
	\bigcirc	\bigcirc	\bigcirc	\bigcirc	
12	Wheelchair access rai	nps have a rise o	of 1 metre for every	14 metres of base length.	
	not to scale				
	Trise				
	base length				
	What is the base leng	th for a ramp wi	th a rise of 0.4 metr	es?	
	5.6 metres	13.4 metres	14.4 metres	35.0 metres	
	\bigcirc	\bigcirc	\bigcirc	\bigcirc	

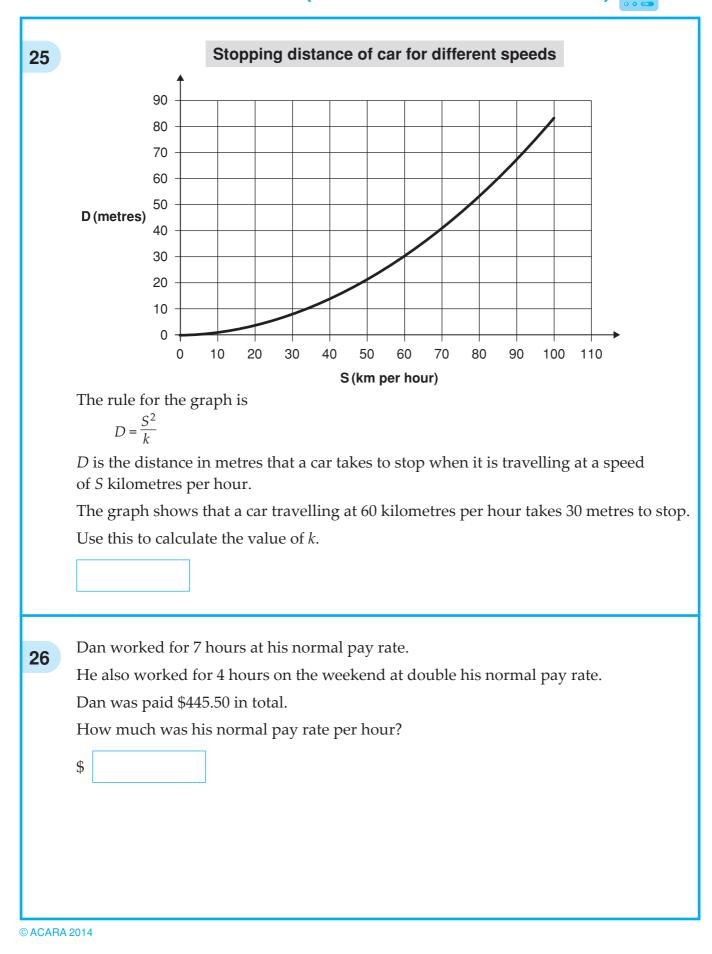
10	Sue has only 10-o	ent, 20-cent and	50-cent coins in	her pocket.		
13	In total she has \$			1		
	What is the smal	lest number of co	oins she could ha	ave?		
	5	6	7	8	9	
	0	\bigcirc	0	0	0	
14	Paul takes part in a swimathon to raise money. He has two sponsors.					
	_		lap of the pool th	hat Paul swims		
His father donates \$2.50 for each lap of the pool that Paul swims. His grandmother donates \$10 in total.						
	How many laps			5100?		
	8	10	36	40	44	
	0	0	\bigcirc	\bigcirc	\bigcirc	
		$(45 \div 9) \div n$		(10)	\supset	
	This is directory as		() 1-	1		
16	I his indicator me	easures the depth	1 of water in a la	іке.		
		metres ─◀ 10				
		_4 10				
		_4 10				
		_4 10				
		_4 10				
		_4 10				
		 10 9 8 7 6 5 				
	water level	 10 9 8 7 6 5 	4.7 metres	5.3 metres	5.6 metres	
	water level What is the dept	 10 9 8 7 6 5 	4.7 metres		5.6 metres	

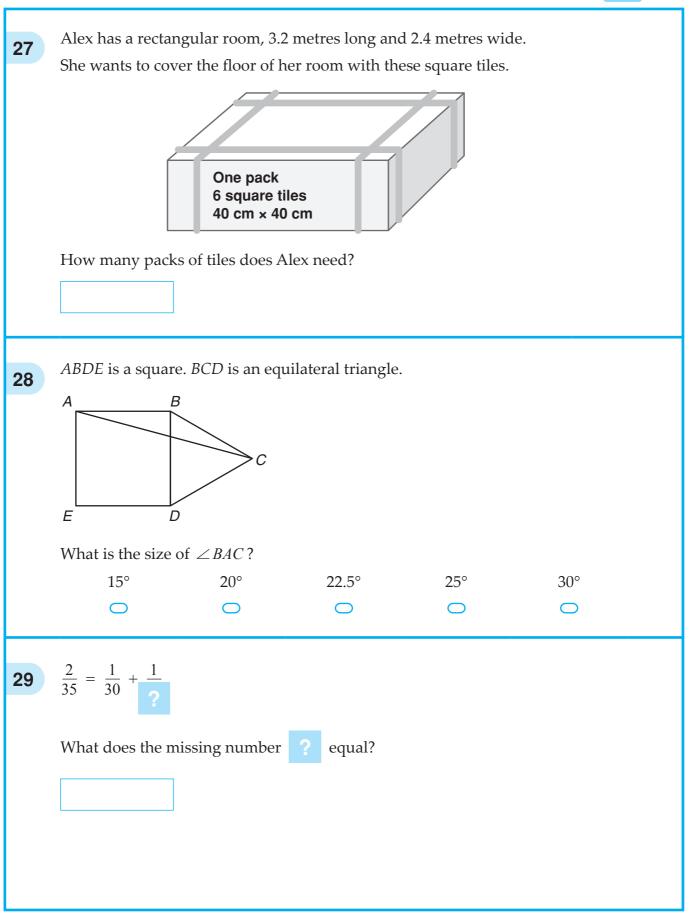


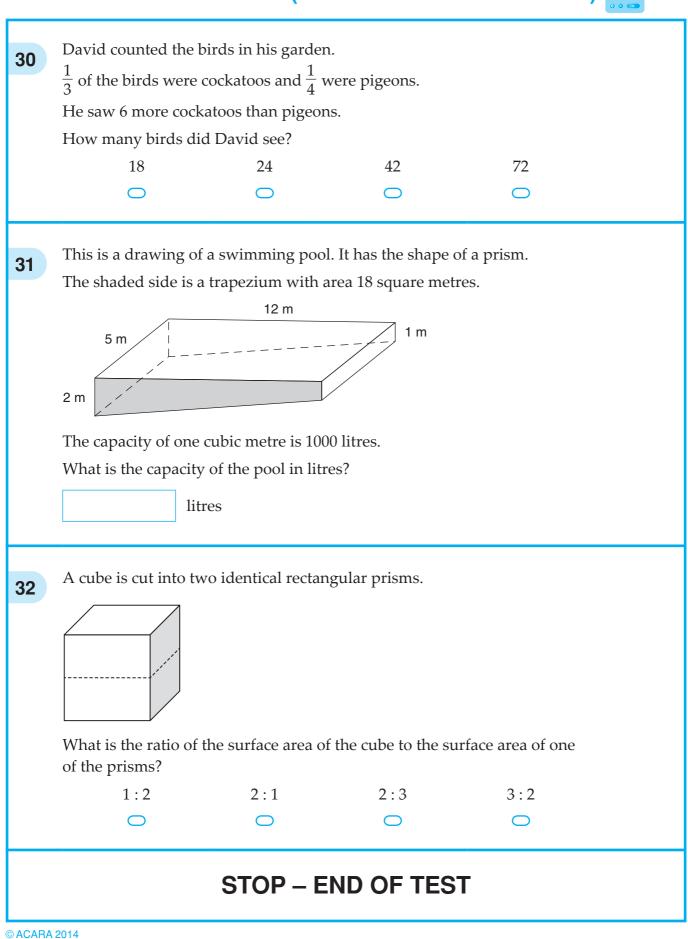




22	$b_{0} = \frac{1}{2} \times \frac{4\pi}{3} \times 8^{3}$ What volume does the calculation give, to the nearest cubic metre? m^{3}
23	$100 - \frac{\sqrt{85^2 + 132^2}}{2} =$
24	About 40 000 skin cells are lost from the surface of our skin every minute. Which of these values is closest to the number of skin cells lost in one day? 9.6 × 10 ⁴ 9.6 × 10 ⁵ 5.76 × 10 ⁵ 5.76 × 10 ⁷







Do not write on this page. Do not turn this page.