NAPLAN NATIONAL ASSESSMENT PROGRAM Literacy and Numeracy

AUSTRALIAN CURRICULUM, ASSESSMENT AND REPORTING AUTHORITY

NUMERACY CALCULATOR ALLOWED



YEAR 9 2016



SESSION 1

Time available for students to complete test: 40 minutes

Use 2B or HB pencil only

© Australian Curriculum, Assessment and Reporting Authority, 2016

1	Jarrad is paid \$18 per hour at his job. How much will he be paid for working 6 hours?							
	\$12	\$24	\$108	\$216				
	\bigcirc	\bigcirc	\bigcirc	\bigcirc				
2	Which of the following is equal to 36?							
	$2^3 \times 2^2$	$2^3 + 2^2$	$3^2 + 2^2$	$3^2 \times 2^2$				
	\bigcirc	0	0	0				
3	When keeping horses, 1 hectare of land is recommended for every 2 horses. How many hectares of land would be needed for 8 horses?							
	4	6	10	16				
	0	0	0	0				
4	What is the value o –16 〇	f the expression 5 - -8 〇	+ (-17) - (-4)? 18 〇	26				
5	 Lara earned \$16.92 per hour working at a store. This week she worked for 12 ¹/₄ hours. She used the money she earned this week to buy concert tickets for herself and her friends. Each concert ticket cost \$19.55. What is the maximum number of concert tickets Lara could have bought? tickets 							





11	 A store sold plates for \$5 each and mugs for \$3 each. Nathan wrote the equation 5p + 3m = 75 to calculate the number of plates and mugs he could buy for exactly \$75. How many plates and mugs did Nathan buy for \$75? 5 plates and 3 mugs 5 plates and 12 mugs 9 plates and 10 mugs 15 plates and 25 mugs 				
12	Leo recorded the number of pages he printed over five weeks. 17, 22, 17, 24, 20 What is the mean number of pages Leo printed?				
13	 A jam recipe uses 2 cups of sugar for every 3 cups of fruit. Select the correct combination of sugar and fruit for this recipe. ¹/₂ cup of sugar, ¹/₃ cup of fruit 1 cup of sugar, 1.5 cups of fruit 1.5 cups of sugar, 2.5 cups of fruit 4 cups of sugar, 5 cups of fruit 				
14	A class is making crystals using sugar-water and string. Each student needs 0.25 litres of sugar-water for the experiment. How many millilitres of sugar-water does each student need? millilitres				

15

16

The table below lists the original price and the amount of discount of the same shirt at four different shops.

SHIRT SALE					
Shop	Original price	Discount			
A	\$20	25%			
В	\$24	$\frac{1}{3}$			
С	\$30	30%			
D	\$18	\$2 off			

Which shop has the lowest sale price for the shirt?

А	В	С	D
\bigcirc	\bigcirc	\bigcirc	\bigcirc

Ruby designs a rectangular picture for her wall.

Inside her rectangle, she adds three straight lines as shown.



What is the size of angle *x*?









9







STOP – END OF TEST

Do not turn this page.