NAPLAN NATIONAL ASSESSMENT PROGRAM Literacy and Numeracy AUSTRALIAN CURRICULUM, ASSESSMENT AND REPORTING AUTHORITY

NUMERACY NON-CALCULATOR





SESSION 2

0:40

Time available for students to complete test: 40 minutes

Use 2B or HB pencil only

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| 4 | Steven cuts his birthday cake into 8 equal slices. He eats 25% of the cake in whole slices. How many slices of cake are left? |
|---|---|
| 5 | A computer chip has dimensions 8 mm × 8 mm. A scale drawing is shown below. |
| | 2 cm represents 1 mm 5 cm represents 1 mm |
| 6 | Kevin made these 2 objects by gluing cubes together face-to-face. |



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Voula spins the arrow 100 times.



Which table is most likely to show her results?

| | | Number of spins | | Number of spins | Shape sectior | Number of spins | | Number of spins | |
|----|---|--------------------|---|---|---------------------------|--------------------|-----------|--------------------|--|
| | + | 15 | - | 10 | • | 25 | + | 25 | |
| | | 10 | | 25 | | 10 | | 25 | |
| | | 15 | | 25 | | 25 | | 25 | |
| | | 60 | | 40 | | 40 | | 25 | |
| | C | \supset | C | \supset | | 0 | C | \supset | |
| 14 | A copier prints 1200 leaflets. One-third of the leaflets are on yellow paper and the rest are on blue paper. There are smudges on 5% of the blue leaflets. | | | | | | | | |
| | How many blue leaflets have smudges? | | | | | | | | |
| | 40 |) | 60 | | 400 | 8 | 00 | | |
| | C |) | 0 | | 0 | C | \supset | | |
| 15 | The ticke The next Which of the the the | | ere \$13, \$ e plans to l not chan her ticke er ticket | see is in nge afte: et prices prices prices | n 3D and t r Sally see | - | | Ŀ. | |

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| 21 | This jug has some milk in it. $ \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$ |
|----|---|
| 22 | Image: P and R Image |
| 23 | The height of a door is 210 cm. Darren is $\frac{5}{6}$ of the height of the door. What is Darren's height? |

| 24 | 5b - 4 = 2b + 17 | |
|----|---|--|
| | What is the value of <i>b</i> in this equation? $b =$ | |
| 25 | The area of the rectangle in this diagram below is 10 cm^2 . A What is the area of the trapezium <i>ABCD</i> ? | |
| 26 | $\begin{array}{c} P \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $ | |
| | $\bigcirc \qquad \bigcirc \qquad$ | |
| 27 | In February 2010, the population of the world was approximately 6800000000 people. Another way of writing this number is 6.8×10^8 6.8×10^9 68×10^9 68×10^{10} | |
| | | |

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| 28 | A number of students were asked this question: "How many cousins do you have?" The lowest answer given was 6. The highest answer given was 20. The total of all the answers given was 50. What is the smallest number of students who could have been asked? |
|----|---|
| 29 | A ticket costs \$75. A fee of 10% is added to the price. Which calculation will give the new price? $75 + 10$ $75 + 0.1$ 75×0.1 75×1.1 |
| 30 | This design is drawn inside a regular hexagon. What is the size of the angle marked <i>a</i> ? degrees |

