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**Maths**

**Cohort** Primary

**Country** Afghanistan

**Language** English/Dari



**Note:** This is an assessment used in classrooms for the Schools2030 programme. It is being shared to demonstrate the approaches to assessment that Schools2030 is developing.

For those interested in using or adapting this tool, further information including teacher guides, psychometric analysis, and other supplementary materials are available on request.



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| **UNDERSTANDING AND USE OF NUMBERS** | |
| ITEM 1 | 1. Point to the number and ask the student to read it to you.   **1472**   1. Write the digits appearing in the number in the table according to their place value:  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | Thousands | Hundreds | Tens | Ones | | 1472 |  |  |  |  | |
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|  | 1. Please do the multiplication below:   52  x6     1. Tell me, in the diagram below, which fraction represents the coloured cells?  |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | |  |  |  | | **A.** 3/4 | | | | |  | | **B.** 1/6 | | | | |  | | **C.** 2/4 | | | | |  | | **D.** 4/9 | | | | |  |  1. Please look at the calculation below and tell me what number needs to go in the blue box to equal 24   4 x  = 24  Write the number here \_\_\_\_ |

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| **GEOMETRY AND MEASUREMENTS** |

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| ITEM 2 | **1.** What unit is used to measure mass? (For example, if you buy sugar from the bazar what does the shopkeeper measure it with?)  **Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **2.**Look at the rectangle below. Can you please label the width of 4 cm and the length of 8 cm on the rectangle?    Now tell me what its entire circumference is.  **Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
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| **UNDERSTANDING AND USE OF NUMBERS** |

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| ITEM 3 | |  |  |  | | --- | --- | --- | | **A.** 465 | | **1.** One hundred sixty | | **B.** 165 | | **2.** Four hundred | | | **C.** 160 | | **3.** Three times one hundred | | | **D.** 2 x 200 | | **4.** Four hundred and sixty-five | | | **E.** 300 | | **5.** Ten more than a hundred fifty-five | | | **A.** |  | | **B.** |  |  | | | **C.** |  |  | | | **D.** |  |  | |   In the table below there are some numbers displayed in words and symbols: connect them to each other. |
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| **ALGEBRA** |

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| ITEM 4 | Find the missing number in the series of numbers below: |
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| **GEOMETRY AND THE USE OF SYMBOLIC LANGUAGE** |

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| ITEM 5 | Please look at the symbols displayed below. Can you continue drawing the series, what do you think comes next? |
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| **REASONING AND ARGUMENT** |

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| ITEM 6 | Look at the calculations below and answer the question “Do you think it is true or not?”   |  |  | | --- | --- | | **A.** 26 + 47 = 53 | Is it true? | | **C.** 450 – 50 = 400 | Is it true? | | **D.** 248 / 6 = 28 | Is it true? | |
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| **MEASUREMENT AND NUMBERS** |

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| ITEM 7 | A 10-litre bucket is half full. How many liters of water are in the bucket? Choose the correct answer below.   |  |  | | --- | --- | | **A.** 2 |  | | **B.** 3 |  | | **C.** 5 |  | | **D.** 10 |  | |
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| **DATA AND INFORMATION HANDLING** |

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| ITEM 8 | Every student in a class chose one of their favorite fruits and then the class made this graph. Please look at the picture showing fruit and answer the following questions below:   |  |  | | --- | --- | | **Fruit** | **Number of children who choose it** | | A close up of a pear  Description automatically generatedPear | A hand with a finger pointing up  Description automatically generatedA hand with a finger pointing up  Description automatically generatedA hand with a finger pointing up  Description automatically generatedA hand with a finger pointing up  Description automatically generatedA hand with a finger pointing up  Description automatically generatedA hand with a finger pointing up  Description automatically generated | | Watermelon | A hand with a finger pointing up  Description automatically generated | | A close up of an orange  Description automatically generatedOrange | A hand with a finger pointing up  Description automatically generated | | A red apple with a green leaf  Description automatically generatedApple | A hand with a finger pointing up  Description automatically generatedA hand with a finger pointing up  Description automatically generated | | A banana on a white background  Description automatically generatedBanana | A hand with a finger pointing up  Description automatically generated |   **1.**What is the most popular fruit in that class? Choose the correct answer.   |  |  | | --- | --- | | **A.** Pear |  | | **B.** Watermelon |  | | **C.** Orange |  | | **D.** Banana |  |   **2.** How many children are in the class altogether? Choose the correct answer.   |  |  | | --- | --- | | **A.** 4 |  | | **B.** 9 |  | | **C.** 20 |  | | **D.** 11 |  | |
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| **MEASUREMENT AND UNITS** |

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| ITEM 9 | **1.** Look at the pictures of clocks below. Which clock shows 7:30? Choose the correct one below.   |  |  |  | | --- | --- | --- | |  |  |  | | **Clock 1** | **Clock 2** | **Clock 3** |  |  |  | | --- | --- | | **A.** Clock 1 |  | | **B.** Clock 2 |  | | **C.** Clock 3 |  | |
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|  | **2.** Look at the thermometer.  What temperature does it display?    **Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |