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| Year  7 | | *Integers* | Non Calculator  Test |
| **Skills and Knowledge Assessed:**   * Investigate everyday situations that use integers. Locate and represent these   numbers on a number line (ACMNA124)   * Compare, order, add and subtract integers (ACMNA280) * Carry out the four operations with (rational numbers and)  integers, using   efficient mental and written strategies and appropriate digital technologies (ACMNA183) | | | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Answer all questions in the spaces provided on this test paper by:**  ***Writing the answer in the box provided.***  **or**  ***Shading in the bubble for the correct answer from the four choices provided.***  **Show any working out on the test paper.** | | | |
|  | Questions 1 – 4 refer to the diagram below. An office building has 21 floors above ground level (which are numbered from 0 to 20).  The building also has 10 floors of parking below ground level which are numbered from  to  .    Jason has an office on floor number 17 and parks his car on floor number  Katie has an office on floor number  and parks her motorbike on floor number | | |
|  | The levels of Jason’s and Katie’s offices are shown on the diagram with arrows.  Use arrows to show the levels on which their vehicles are parked. | | |
|  | Which of these integers would best describe how many floors that Jason travels in the elevator when he goes from his office to his car? | | |
|  | What integer would describe how many floors Katie must she travel in the elevator to get from her motorbike to her office? | | |
|  | What integer describes how many floors Jason would travel to get from his car to Katie’s motorbike? | | |
|  | Questions 5 – 8 refer to the statement below provided by Sally’s bank for February.     |  |  |  | | --- | --- | --- | | Date | Transaction | Balance | | 1 / 2 / 2013 | Opening Balance | $60 | | 4 / 2 / 2013 | Deposit of $40 | $100 | | 10 / 2 / 2013 | Withdrawal of $80 | $20 | | 15 / 2 / 2013 | Withdrawal of $70 |  | | 20 / 2 / 2013 | Withdrawal of $80 |  | | 24 / 2 / 2013 | Deposit of $100 |  | | 26 / 2 / 2013 | Withdrawal of $30 |  | | 28 / 2 / 2013 |  |  | | | |
|  | What is the balance on 20 / 2 / 2013? | | |
|  | What is the balance on 26 / 2 / 2013? | | |
|  | On the 28 / 2 / 2013 Sally makes a transaction that brings the balance to  What was the transaction?  Deposit of  Deposit of  Withdrawal of  Withdrawal of | | |
|  | Later in the year her account showed the following.     |  |  |  | | --- | --- | --- | | 1 / 4 / 2013 | Opening balance |  | | 2 / 4 / 2013 | Deposit of $140 |  |   What was the opening balance?  $ | | |
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|  | Some parts of the Earth’s surface are below sea level. The Dead Sea is  relative to sea level, and Death Valley is  relative to sea level. How many metres higher or lower is the Dead Sea?  Cross out one.  higher  The Dead Sea is metres  lower | | |
|  | In a game Mitchell gets 40 points, then gets another 120 points, before losing 60 points and then losing another 180 points before the game ends. How many points does he have at the end? | | |
|  | The numbers  are marked on the number line below. What is the third number (labelled *P*) which is marked on the number line? | | |
|  | Mark the numbers  on the number line below. | | |
|  | What number is halfway between on the number line? | | |
|  | Re-write the numbers in descending order. | | |
|  | Which statement is correct? | | |
|  | Write the next two numbers in the number pattern. | | |
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|  | Dave started with $450 in his bank account. He made eight withdrawals of $70 each.  What was the balance of the account after these withdrawals, (assuming that it can go below zero)? | | |

*Integers*

ANSWERS

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| Non Calculator  Short Answer Section | |
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|  | 0 |
|  | 310 metres lower |
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