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| **Use Case Name:** | UC2 – answering a question |
| **Triggering Event:** | User starts mental maths challenge; user enters answer to mental maths question but is not yet finished the challenge. |
| **Scenario Description:** | When user starts challenge, they must answer a set number of mental maths questions. A simple arithmetic problem is displayed on the screen. The user enters their answer and selects ‘Enter’. |
| **Main Actor(s):** | User. |
| **Precondition(s):** | User has selected ‘Begin challenge’; User has answered a previous problem, but is not yet finished the challenge. |
| **Post condition(s):** | Answer given by the user is classified as either correct or incorrect. User is taken to the next question, or to the results screen if they are have answered all questions in the challenge. |
| **Main Path:** | Actor |
| 1. Maths question is displayed. 2. User enters their answer and selects ‘Enter’. 3. User is taken to next question. |
| **Alternative Path 1:** | @UC2, 3: User is finished the challenge   1. User is notified they are finished the challenge. 2. User is taken to the results page. |