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To the editors of Nature Communications:

We have enclosed our revised manuscript entitled *Text embedding models yield high-resolution insights into conceptual knowledge from short multiple-choice quizzes* (manuscript submission ID: NCOMMS-23-10640-A). We appreciate the reviewers' insightful comments on our previous submission.

Reviewers 1 and 2 indicated that they were satisfied with our previous submission. Reviewer 2 pointed out several typos, which we have corrected in our updated manuscript. Reviewer 3 raised some additional concerns. Their most important request, to our reading, was a new set of analyses using specific LME models they proposed in their review. We have implemented their suggested analyses, and both of the analyses exhibited the behaviors the reviewer suggested would be indicative of our framework capturing meaningful knowledge estimates. As detailed in our point-by-point responses, we chose to replace an analysis in our prior submission with one of the two new analyses the reviewer suggested. The second suggested analysis, although it "passes" the test the reviewer proposed, is (in our view, and as we describe in our response to the reviewer) flawed. Therefore we chose to report the results of that second analysis in our response to the reviewer's comment, but we do not include that analysis in our paper. Reviewer 3 also raised some additional questions about the utility of our approach versus other existing tools, such as ChatGPT. As we detail below, while we certainly agree that tools like ChatGPT can be quite useful, we do not see ChatGPT as "solving the same problem" as our approach.

We have carefully addressed each of the comments from the reviewers, and we provide detailed point-by-point responses on the following pages. The reviewers' comments are *italicized* and our responses are in **bold**.

Thank you for considering our revised manuscript.

Sincerely,

Jeremy R. Manning