**Table S1**

*Correlations Between all the Potential Predictors (Working Memory, Spatial Abilities, Language, Numerical Abilities and Patterning Abilities) and a Total Score of Children’s Performance on the Proportional Reasoning DD and DC Tasks at Each Timepoint.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. |
| 1. Proportional reasoning DD E1 | -- | .476\*\* | .548\*\* | .543\*\* | .511\*\* | .462\*\* | .268\*\* | .297\*\* | .424\*\* | .529\*\* | .475\*\* | .510\*\* |
| 2. Proportional reasoning DC E1 |  | -- | .389\*\* | .443\*\* | .359\*\* | .399\*\* | .227\*\* | .215\*\* | .333\*\* | .343\*\* | .300\*\* | .380\*\* |
| 3. Proportional reasoning DD E2 |  |  | -- | .531\*\* | .621\*\* | .507\*\* | .251\*\* | .239\*\* | .408\*\* | .484\*\* | .457\*\* | .478\*\* |
| 4. Proportional reasoning DC E2 |  |  |  | -- | .472\*\* | .519\*\* | .254\*\* | .290\*\* | .467\*\* | .324\*\* | .429\*\* | .437\*\* |
| 5. Proportional reasoning DD E3 |  |  |  |  | -- | .569\*\* | .281\*\* | .253\*\* | .390\*\* | .452\*\* | .444\*\* | .462\*\* |
| 6. Proportional reasoning DC E3 |  |  |  |  |  | -- | .276\*\* | .294\*\* | .427\*\* | .338\*\* | .397\*\* | .459\*\* |
| 7. Verbal working memory |  |  |  |  |  |  | -- | .132\* | .337\*\* | .284\*\* | .223\*\* | .226\*\* |
| 8. Spatial working memory |  |  |  |  |  |  |  | -- | .335\*\* | .208\*\* | .323\*\* | .406\*\* |
| 9. Spatial abilities |  |  |  |  |  |  |  |  | -- | .341\*\* | .367\*\* | .440\*\* |
| 10. Language |  |  |  |  |  |  |  |  |  | -- | .427\*\* | .515\*\* |
| 11. Numerical abilities |  |  |  |  |  |  |  |  |  |  | -- | .539\*\* |
| 12. Patterning abilities |  |  |  |  |  |  |  |  |  |  |  | -- |

*Note. \* p < .05, \*\* p < .01*

**Table S2**

*Linear Regression Analyses (One for Each Timepoint) with Proportional Reasoning Abilities as Outcome Variable.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Proportional reasoning E1 | Proportional reasoning E2 | | Proportional reasoning E3 |
|  | β | β | | β |
| Verbal working memory | .08 | .07 | | .11\* |
| Spatial working memory | .06 | .03 | | .06 |
| Spatial abilities | .16\*\* | .23\*\*\* | | .19\*\*\* |
| Language | .27\*\*\* | .18\*\*\* | | .16\*\* |
| Numerical abilities | .15\*\* | .22\*\*\* | | .19\*\*\* |
| Patterning abilities | .19\*\*\* | .18\*\* | | .21\*\*\* |
|  |  |  | |  |
|  |  |  | |  |
| *R²* | .43 | .44 | | .41 |
| *F* | 37.834\*\*\* | 39.341\*\*\* | | 34.728\*\*\* |
| *Note. \* p < .05, \*\* p < .01, \*\*\* p < .001* | | |  | |