Appendix 2. Factor Loadings of Items of SRQ-A

| Question: | Loadings SRQ-A |
|-----------|----------------|
|           | Intrinsic Motivation | Identified | Introjected | External |
| IM1       | 0.585             | 0.254      | 0.176       |          |
| IM2       | 0.653             | 0.267      | 0.147       |          |
| IM3       | 0.797             | 0.025      | 0.061       | 0.069    |
| IM4       | 0.801             | 0.054      | 0.154       |          |
| IM5       | 0.425             | 0.446      | 0.098       | 0.069    |
| Identified1 | 0.357             | 0.444      | 0.089       |          |
| Identified2 | 0.285             | 0.504      | 0.115       | 0.098    |
| Identified3 | 0.326             | 0.084      | 0.032       | 0.17     |
| Identified4 | 0.296             | 0.399      | 0.083       | 0.255    |
| Identified5 | 0.156             | 0.621      | 0.165       | 0.276    |
| Introjected1 | 0.226             | 0.568      | 0.214       |          |
| Introjected2 |                 | 0.275      | 0.603       |          |
| Introjected3 |                 | 0.309      | 0.682       | 0.044    |
| Introjected4 | 0.12              | 0.566      | 0.242       |          |
| Introjected5 | 0.193              | 0.312      | 0.441       |          |
| Introjected6 | 0.322              | 0.632      | 0.209       |          |
| Introjected7 |                 | 0.381      | 0.523       | 0.074    |
| External1 |                    | 0.487      | 0.306       |          |
| External2 | 0.196              |            | 0.644       |          |
| External3 | 0.247              |            | 0.757       |          |
| External4 | 0.245 | 0.603 | 0.25 |
| External5 |        | 0.455 | 0.346 |
| External6 |        | 0.113 | 0.759 |
| External7 | 0.211 | 0.293 | 0.164 |
| Cronbach’s Alpha of Intended Items | 0.804 | 0.696 | 0.761 | 0.696 |

**Appendix 2.** Factor loadings of the Acute Intrinsic Motivation IMI questionnaire within the intervention group having basketball combined with mathematics (BM) and when having classroom-based mathematics (CM). Bold indicates loadings on intended factor. Cronbach’s Alpha of intended items are represented.