

Table S1 The measurement factors of trait creativity

| Variable | Measurement |
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| A1 | In school, I liked to try to guess things or answers, even if I didn't always get them right. |
| A2 | I like to look at things I haven't seen to get the details. |
| A3 | I like to hear varied and imaginative stories. |
| A4 | When I paint, I like to copy other people's works. |
| A5 | I like to make all kinds of fun things out of junk like old newspapers, old calendars and old cans. |
| A6 | I like to fantasize about things I want to know or do. |
| A7 | If something can't be done at once, I'll keep trying until I succeed. |
| A8 | When I do my homework I like to refer to a variety of sources in order to get a multi-faceted understanding. |
| A9 | I like to do things the same way. I don't like to find new ways. |
| A10 | like to find out if things are true or not. |
| A11 | I like to do many new things. |
| A12 | I don't like making new friends. |
| A13 | I like to think of things that won't happen to me. |
| A14 | I like to imagine being an artist, musician and poet one day. |
| A15 | I get so excited that I forget everything else. |
| A16 | I would rather live on the space station than on the earth. |
| A17 | I think all questions have fixed answers. |
| A18 | I like different things. |
| A19 | I always want to know what other people are thinking. |
| A20 | I like things that are described in stories or TV shows. |
| A21 | I like to get together with my friends and share my ideas with them. |
| A22 | If the last page of a storybook is torn out, I make up my own story and fill in the ending. |
| A23 | When I grow up, I want to do something that no one else has ever thought of. |
| A24 | It's fun to try new games and activities. |
| A25 | I don't like too many rules. |
| A26 | I like to solve problems, even if there is no right answer. |
| A27 | There are a lot of things I would love to try myself. |
| A28 | I like to sing new songs that no one knows. |
| A29 | I don't like to air my opinions in front of my classmates. |
| A30 | When I read a novel or watch TV, I like to think of myself as the character in the story. |
| A31 | I like to imagine what human life was like 200 years ago. |
| A32 | I've often wanted to make up a new song myself. |
| A33 | I like to rummage around and see what's in there. |
| A34 | I love changing the colors and shapes of things when I'm drawing. |
| A35 | I'm not sure I'm right about everything. |
| A36 | It is interesting to guess something first and then see if you are right. |
| A37 | It's fun to play puzzles and things like that because I want to know what the outcome is. |
| A38 | I was interested in machines, and I wanted to know what it looked like inside and how it worked. |
| A39 | I like toys that can be taken apart. |
| A40 | I like to think of new ideas, even if I don't need them. |
| A41 | A good article should contain many different opinions or points of view. |
| A42 | It is exciting to find answers to questions that may arise in the future. |
| A43 | I like to try new things, just to see what the result will be. |
| A44 | When I play a game, I'm usually interested in participating, not in winning. |
| A45 | I like to think of things that other people often talk about. |
| A46 | When I see a picture of a stranger, I like to guess what kind of person he is. |
| A47 | I like to flip through books and magazines, but I just want to know what they're about. |
| A48 | I don't like to look at all the reasons why things happen. |
| A49 | I like to ask questions that no one else has thought of. |
| A50 | Whether at home or at school, I always like to do many interesting things. |

Table S2 The measurement factors of physical activity

| Variable | Measurement |
|----------|---|
| C1 | how much time (minutes) do you typically spend in moderate physical activity on one of the last seven days? |
| C2 | In the last 7 days, how many days have you walked for at least 10 minutes at a time? |