

Article title: Development of the Adapted Fennema-Sherman Mathematics Attitudes Scales: A Tool for Use with Students Aged 9-11

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Adapted Fennema-Sherman Mathematics Attitudes Scales

**Key:

1= Strongly Disagree

2= Somewhat Disagree

3= Neither Agree Nor Disagree

4= Somewhat Agree

5= Strongly Agree

Section 1

1	I talk to my teachers about a career which uses maths.	1	2	3	4	5
2	Other pupils will like me more if I get good marks in maths.	1	2	3	4	5
3	I don't like people to think I'm smart in maths.	1	2	3	4	5
4	Maths is enjoyable to me.	1	2	3	4	5
5	I like the challenge of maths problems I cannot understand right away.	1	2	3	4	5
6	I am unsure I can do more challenging work in maths.	1	2	3	4	5
7	My teachers have not encouraged me to learn more maths.	1	2	3	4	5
8	Maths makes me feel uncomfortable, restless, irritable, and impatient.	1	2	3	4	5
9	Maths is my worst subject.	1	2	3	4	5
10	I wouldn't mind having more maths lessons.	1	2	3	4	5
11	I'd be proud to be an outstanding maths pupil.	1	2	3	4	5
12	Winning a prize in maths would make me feel embarrassed.	1	2	3	4	5
13	My teachers think I'm the kind of person who could do well in advanced maths.	1	2	3	4	5
14	My teachers make me feel I am good in maths.	1	2	3	4	5
15	Maths games are boring.	1	2	3	4	5
16	I am sure that I can learn maths.	1	2	3	4	5
17	It would be great to win an award in maths.	1	2	3	4	5
18	I have a hard time getting teachers to talk seriously with me about maths.	1	2	3	4	5
19	I am no good at maths.	1	2	3	4	5
20	For some reason, even though I study, maths is really hard for me.	1	2	3	4	5

Section 2

21	My teachers would think I wasn't serious if I told them I was interested in a career in science and maths.	1	2	3	4	5
22	I do not think I could do advanced maths.	1	2	3	4	5
23	I have a lot of self-confidence when it comes to maths.	1	2	3	4	5
24	If I get good marks in maths, I would try to hide them.	1	2	3	4	5
25	I like maths.	1	2	3	4	5
26	Being thought of as smart in maths would be a great thing.	1	2	3	4	5
27	I think I could handle more difficult maths.	1	2	3	4	5

28	If I got the highest marks in maths, I'd prefer no one knew.	1	2	3	4	5
29	My teachers think advanced maths is a waste of time for me.	1	2	3	4	5
30	I am happy to get good marks in maths.	1	2	3	4	5
31	My teachers have encouraged me to learn more maths.	1	2	3	4	5
32	I can get good marks in maths.	1	2	3	4	5
33	My teachers have been interested in my progress in maths.	1	2	3	4	5
34	I am sure that I could do advanced work in maths.	1	2	3	4	5
35	I would rather have someone else figure out a tough maths problem than have to work it out myself.	1	2	3	4	5
36	I am usually calm during maths tests.	1	2	3	4	5
37	I have felt ignored when talking to teachers about maths.	1	2	3	4	5
38	I feel confident trying maths.	1	2	3	4	5
39	Getting a maths teacher to take me seriously has usually been a problem.	1	2	3	4	5
40	I dislike maths.	1	2	3	4	5

Section 3

41	When a maths problem comes up that I cannot solve right away, I stick with it until I find the solution.	1	2	3	4	5
42	I often worry about whether I've gotten maths problems correct.	1	2	3	4	5
43	I get a sick feeling when I think of a maths test.	1	2	3	4	5
44	I like maths games.	1	2	3	4	5
45	Maths makes me feel uneasy, confused, and nervous.	1	2	3	4	5
46	Figuring out maths problems is not something I like to do.	1	2	3	4	5
47	It would make other pupils like me less if I were a really good maths pupil.	1	2	3	4	5
48	I am usually unsure when trying maths.	1	2	3	4	5
49	I do not understand how some people can spend so much time on maths and seem to like it.	1	2	3	4	5
50	I do not worry about getting maths problems correct.	1	2	3	4	5
51	My mind goes blank and I am unable to think clearly when working maths problems.	1	2	3	4	5
52	Maths does not scare me at all.	1	2	3	4	5
53	Once I start working on a maths problem, it is hard to stop.	1	2	3	4	5
54	I almost never get nervous during a maths test.	1	2	3	4	5
55	The challenge of maths problems does not interest me.	1	2	3	4	5
56	My teachers have made me feel I am not good in maths.	1	2	3	4	5
57	I am usually calm in maths lessons.	1	2	3	4	5
58	A maths test would scare me.	1	2	3	4	5
59	I don't usually worry about being able to solve maths problems.	1	2	3	4	5
60	Being first in a maths competition would make me happy.	1	2	3	4	5