



PAT Maths 4th Edition

Test and item difficulty



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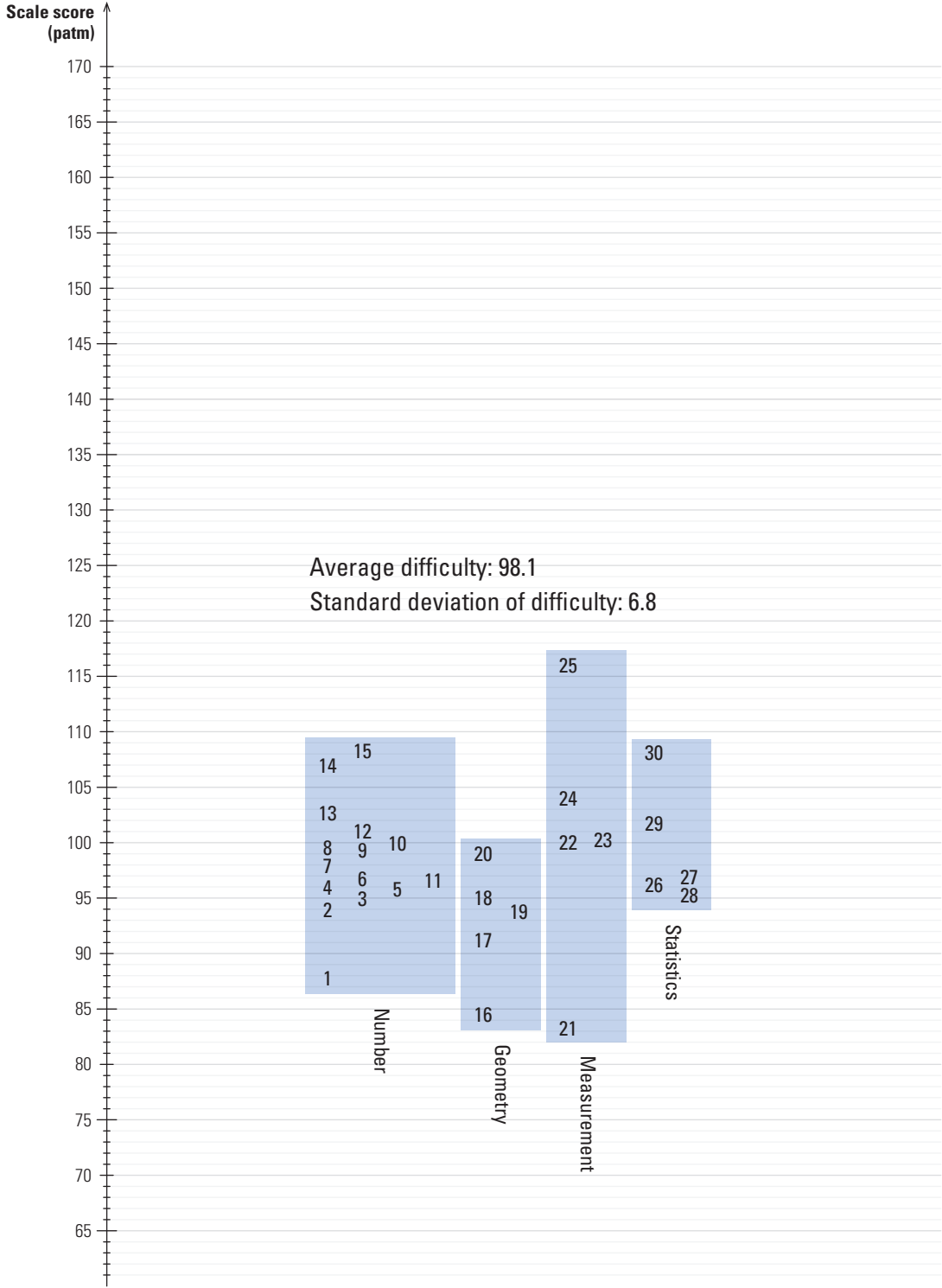
Difficulty of the PAT Maths 4th Edition tests

Using Rasch measurement, the PAT Maths measurement scale was constructed, on which student achievement and item difficulty can be displayed. It is possible to report the mean difficulty of the items in each of the PAT Maths 4th Edition tests in scale score (patm) units. These mean item difficulties – or test difficulties – are shown together with their standard deviations in the table below.

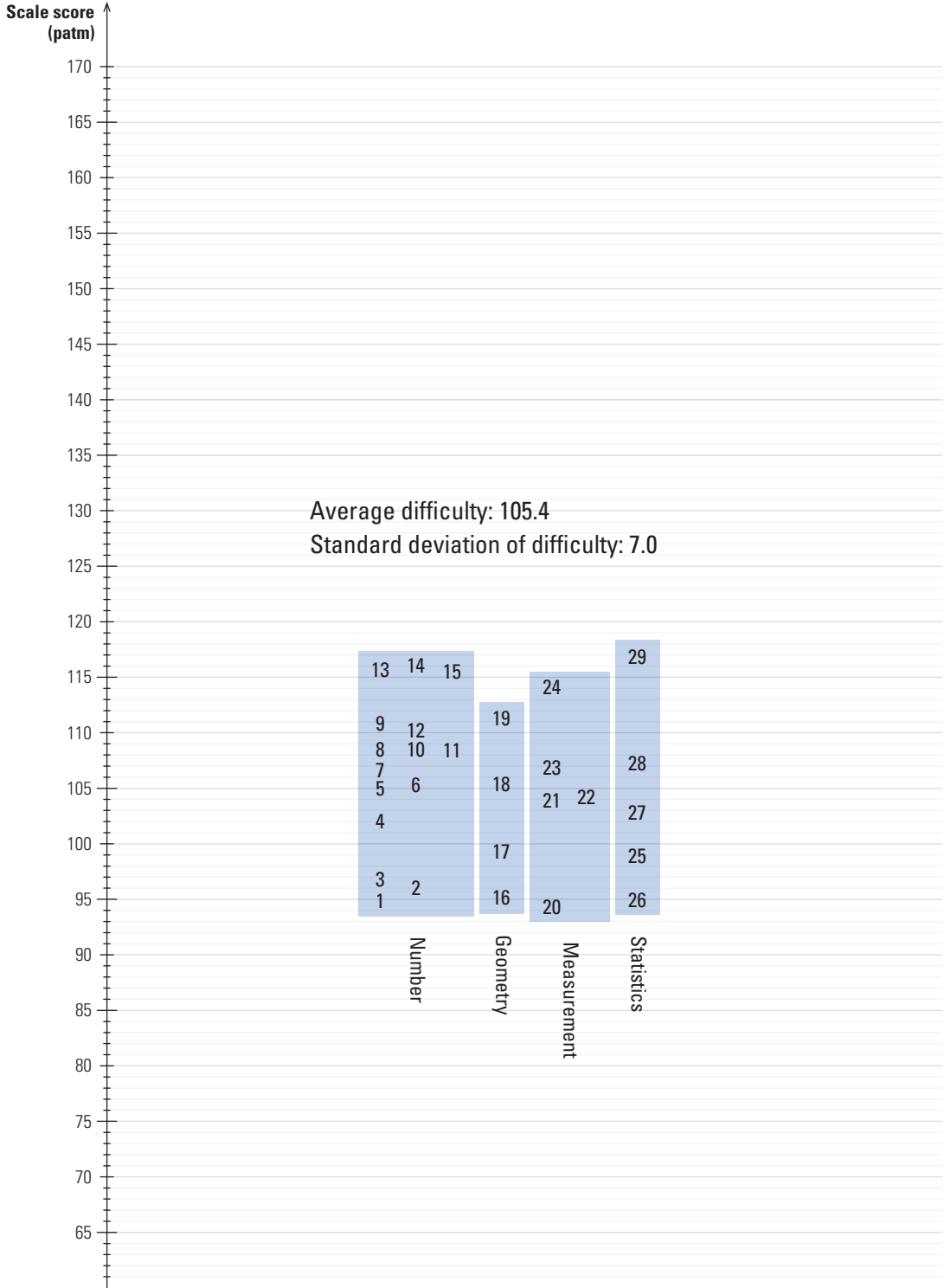
PAT Maths 4th Edition	No. of items	Mean item difficulty (patm)	Standard deviation (patm)
Test 1	30	98.1	6.8
Test 2	29	105.4	7.0
Test 3	35	106.7	10.3
Test 4	35	119.4	8.5
Test 5	35	122.7	7.4
Test 6	40	128.9	7.9
Test 7	40	129.5	8.2
Test 8	40	134.2	8.2
Test 9	40	136.0	8.4
Test 10	40	139.1	8.8

The locations of the PAT Maths 4th Edition items on the measurement scale are shown on the following pages. Items have been placed in shaded blocks according to the strand to which they belong. Each block illustrates the span of difficulty for a strand. The item numbers written in the block identify the items belonging to the strand.

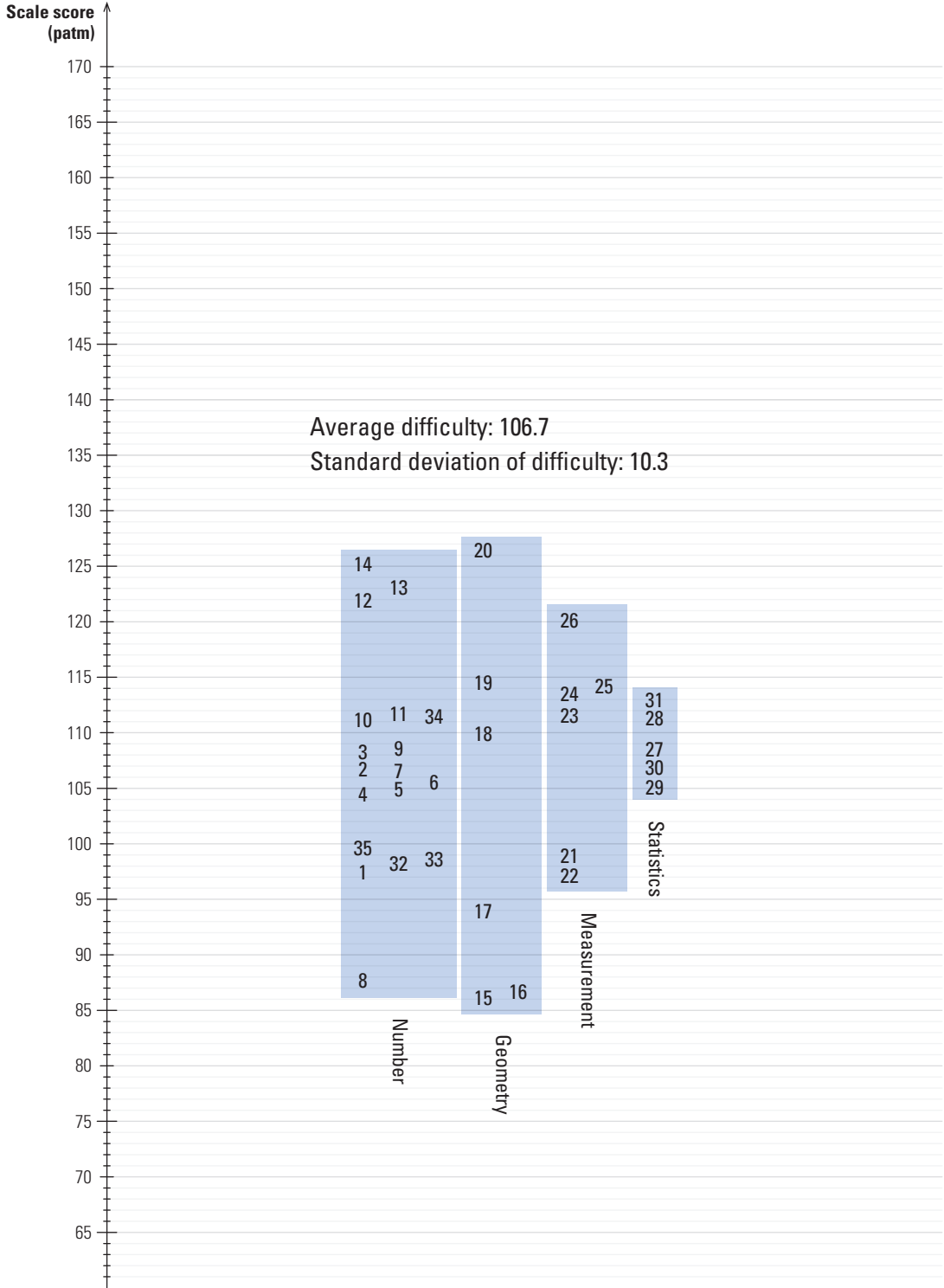
PAT Maths 4th Edition Test I



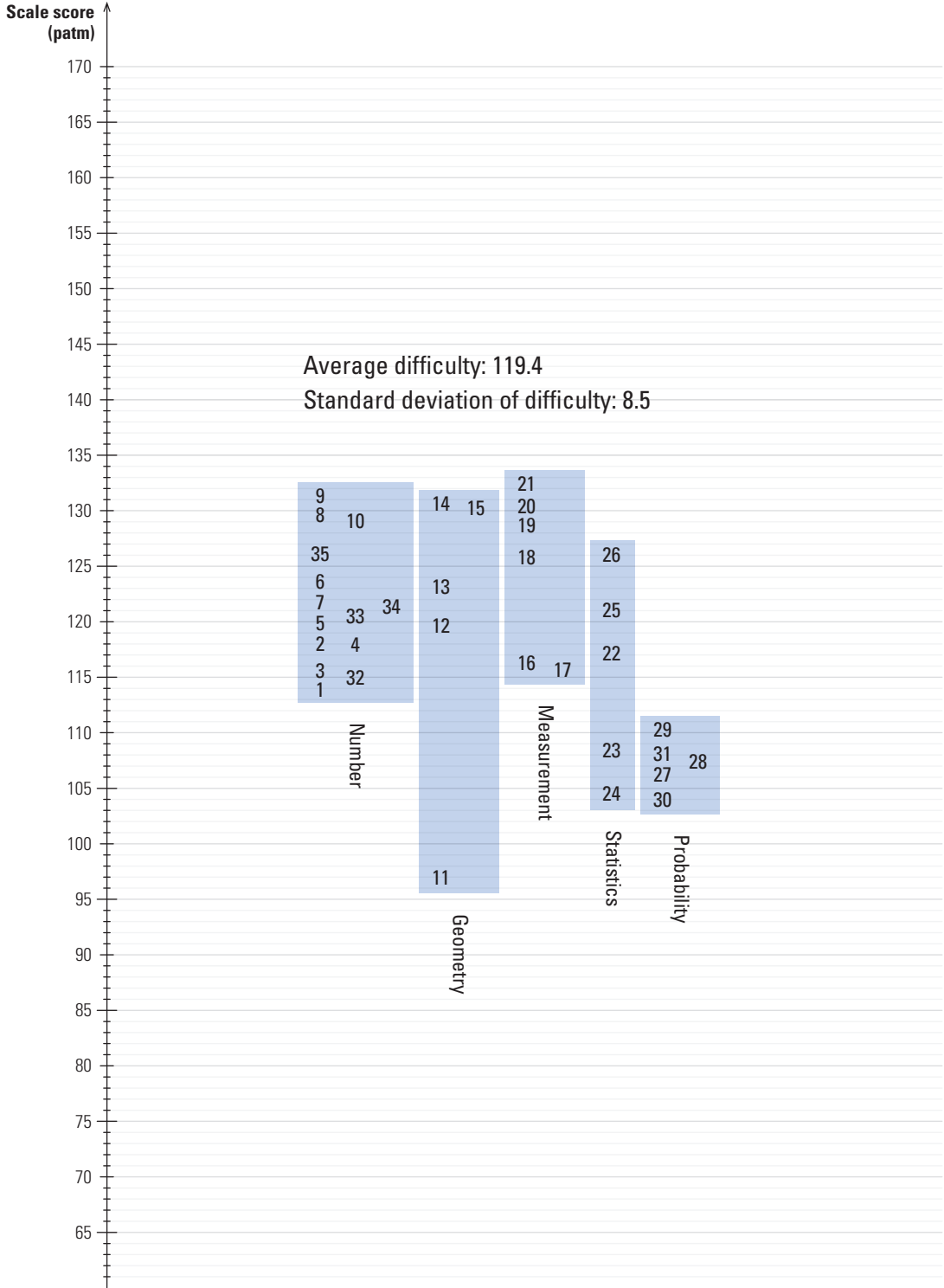
PAT Maths 4th Edition Test 2



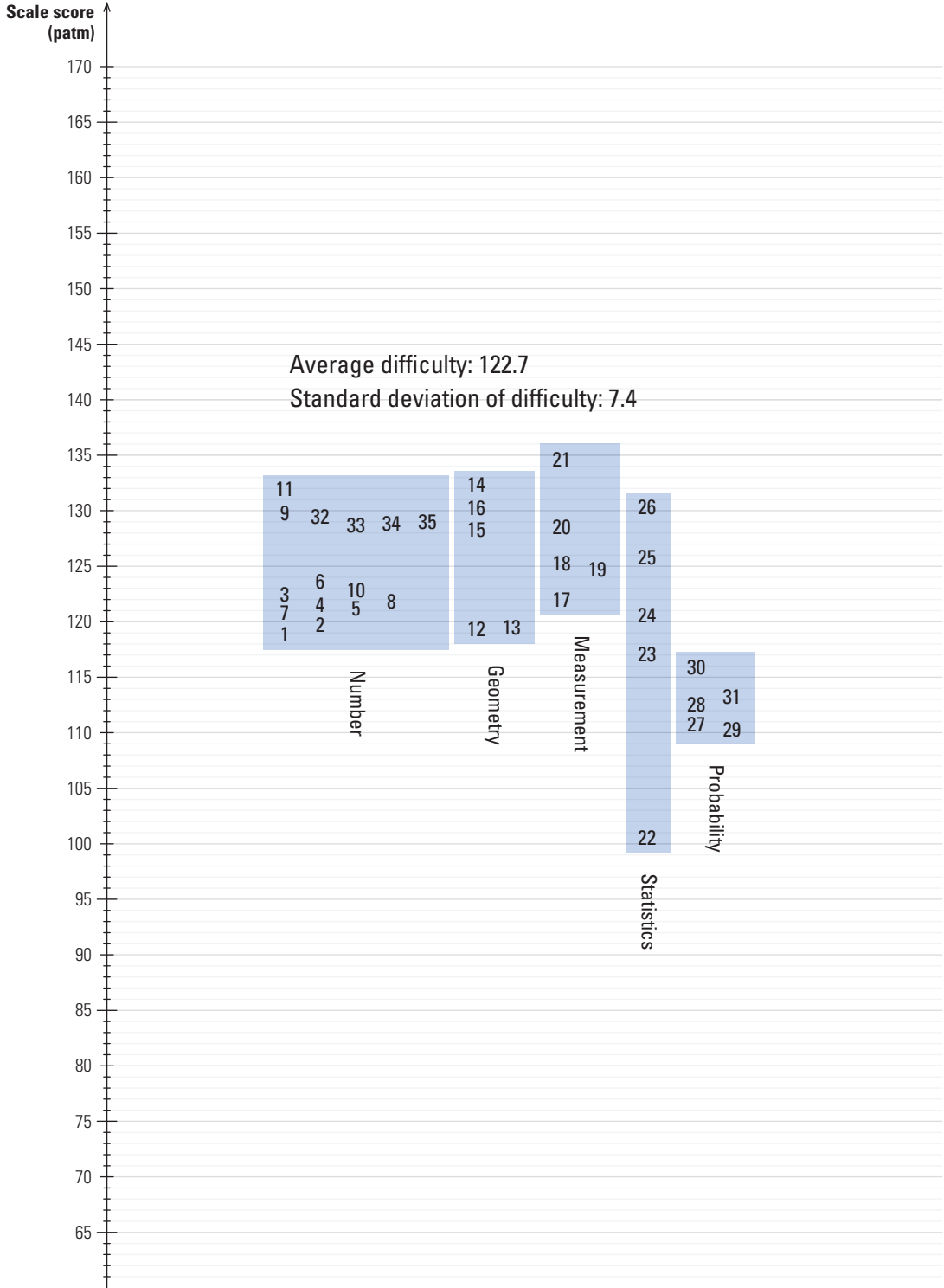
PAT Maths 4th Edition Test 3



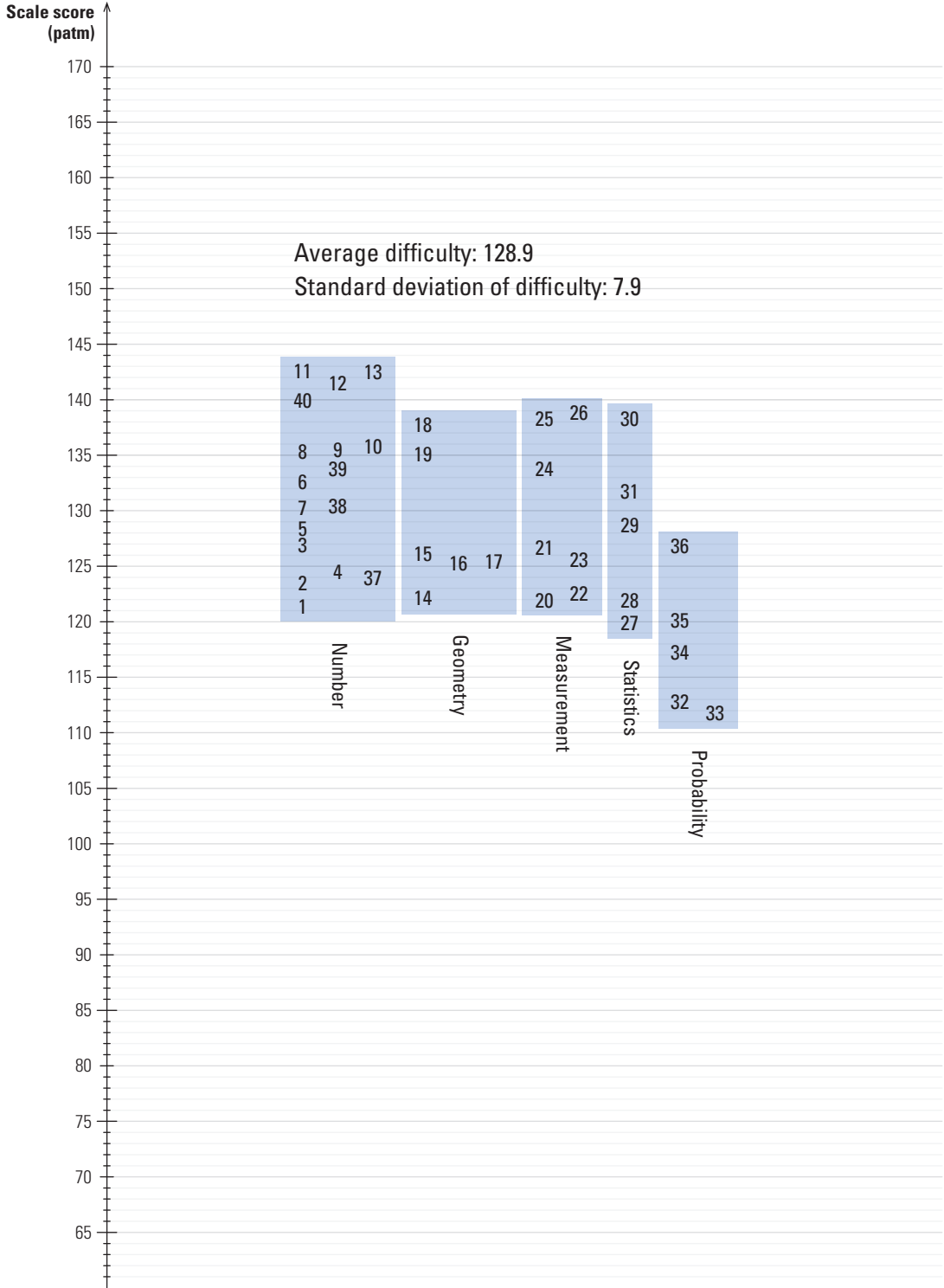
PAT Maths 4th Edition Test 4



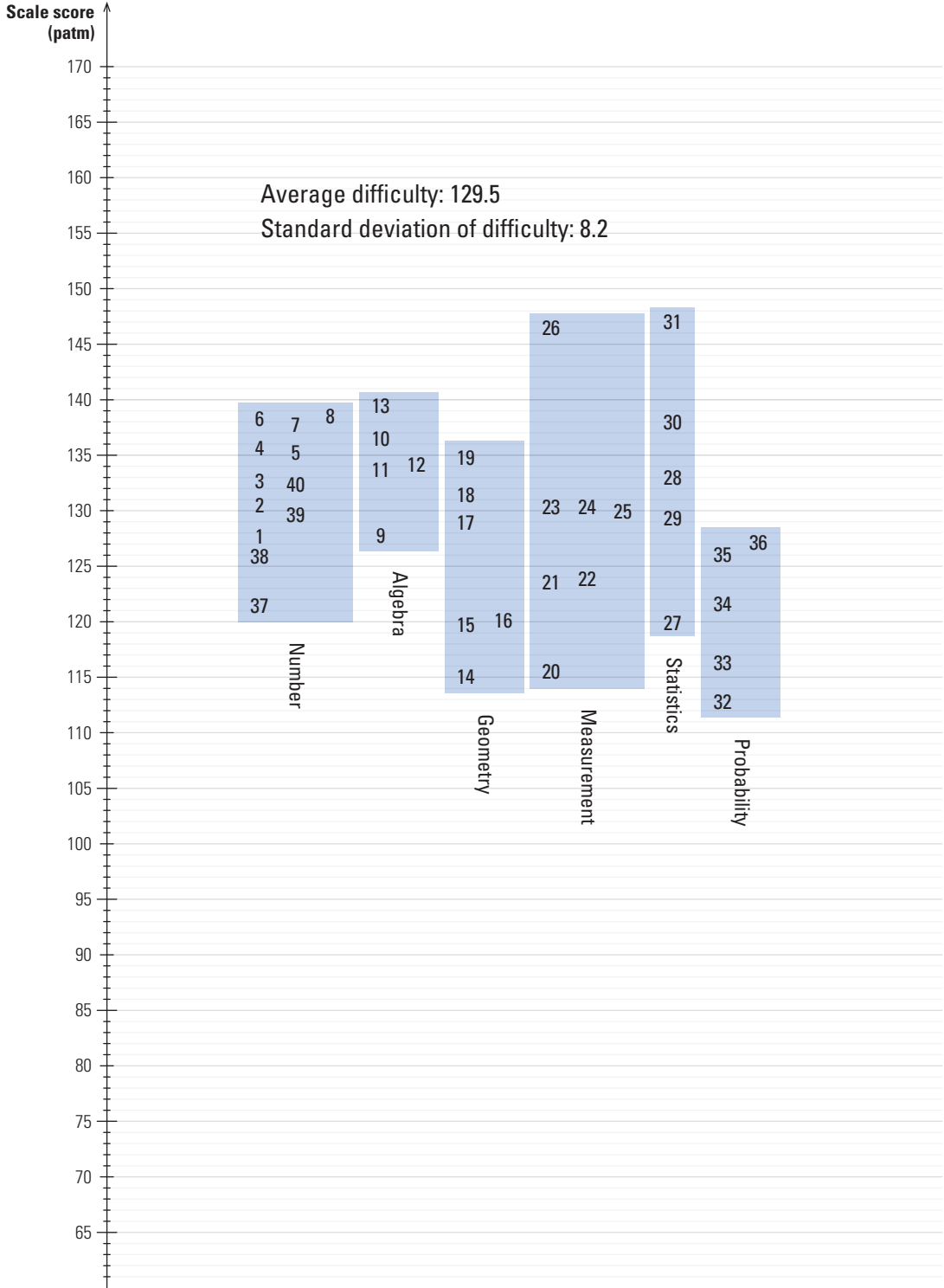
PAT Maths 4th Edition Test 5



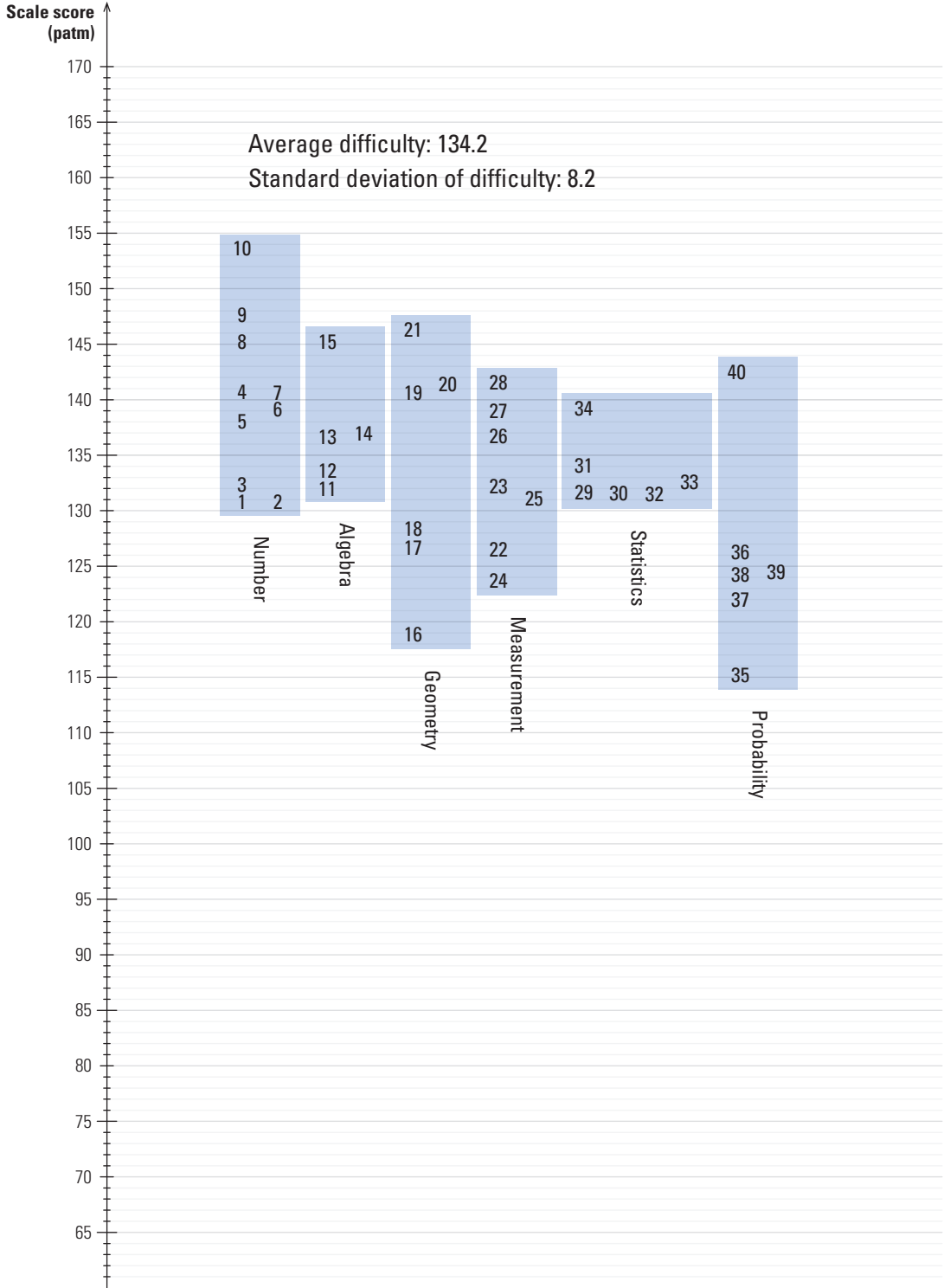
PAT Maths 4th Edition Test 6



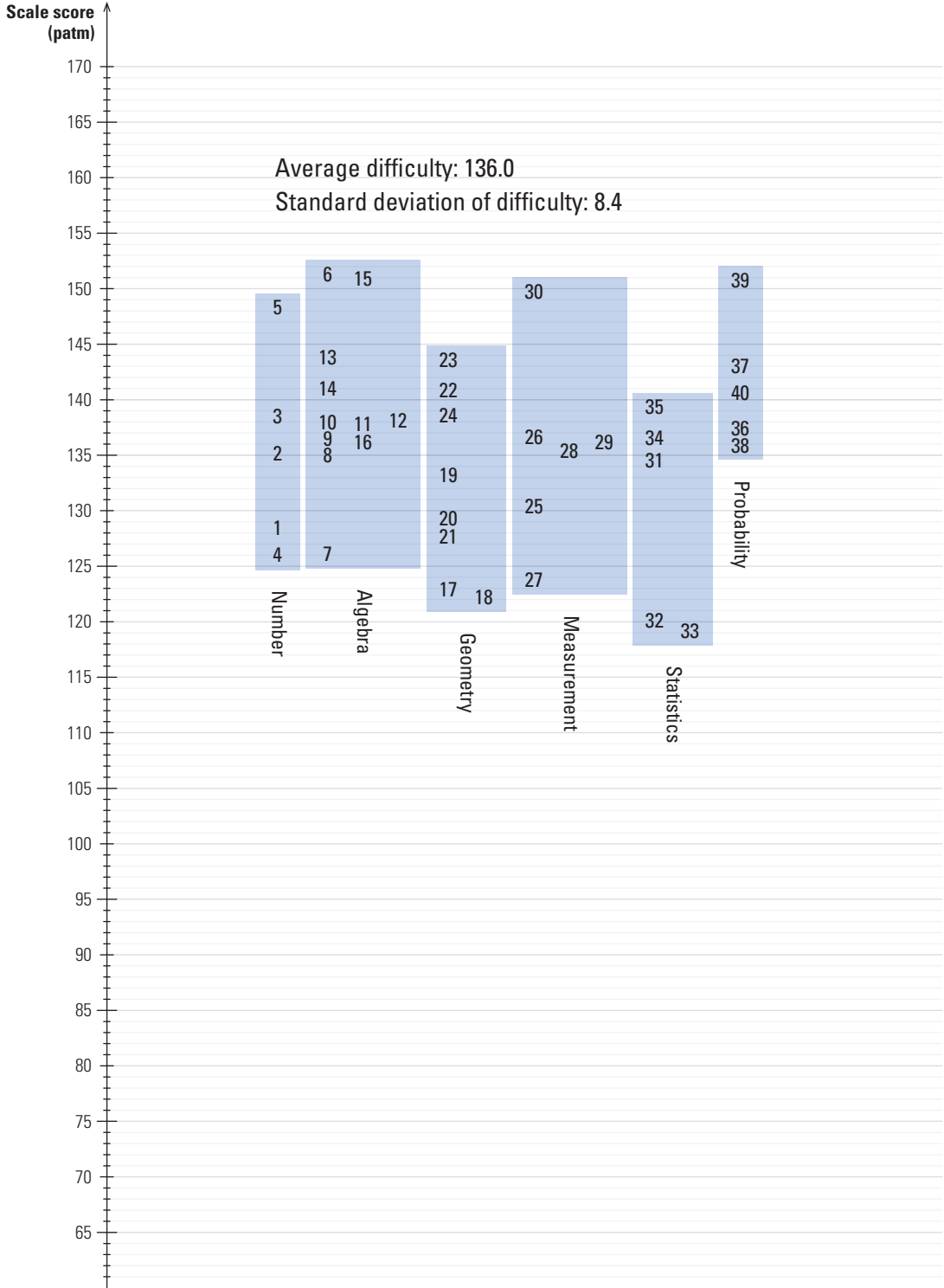
PAT Maths 4th Edition Test 7



PAT Maths 4th Edition Test 8



PAT Maths 4th Edition Test 9



PAT Maths 4th Edition Test 10

