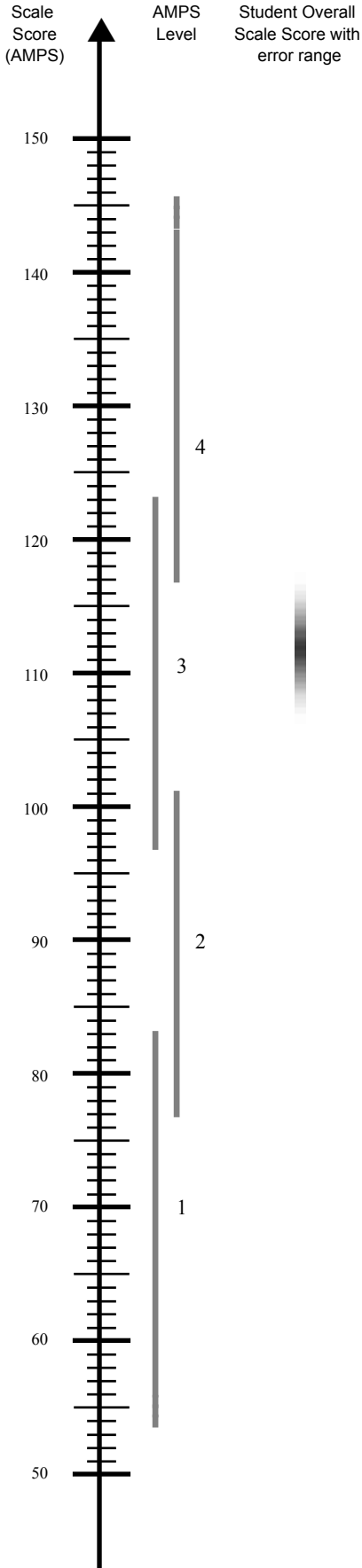


Pattern and Structure Assessment

Sample School

Year P

Alan Scott



Awareness of Mathematical Pattern and Structure (AMPS)

Year: P

Overall Scale Score: 112.0

Overall Level: 3

Children at this level are aware of the generality of some fundamental structures.

They recognise the generality of the structures they become aware of at Level 3, and are becoming aware of further structures that depend on them.

For example, they may correctly:

- continue a spatial growing pattern
- systematically replicate or partition a length
- quickly draw a grid pattern
- in appropriate contexts, use skip counting and possibly multiplication
- explain the structure of two-digit numerals
- draw a simple bar chart using a common scale
- divide small amounts of money into equal shares

Children at this level are aware of some fundamental structures.

They are becoming aware of the underlying structure of the patterns they recognised at Level 2, and are beginning to recognise properties of further patterns that depend on them.

For example, they may correctly:

- identify the unit of repeat in a repeating pattern
- partially represent alignment in grids and arrays
- draw an equally spaced measurement scale
- in appropriate contexts, use 'counting on' and sometimes skip counting
- recognise the pattern in a hundred chart

Children at this level recognise some simple patterns.

They have learnt to recognise some simple patterns and are becoming aware of the components of the elements or relations in other patterns.

For example, they may correctly:

- copy and extend alternating block patterns
- recognise the shapes embedded in a grid pattern
- divide a length into two approximately equal parts
- count groups of up to 12 objects arranged in a pattern

Children at this level only recognise some very simple patterns.

They struggle to recognise mathematical patterns.

For example, they may:

- copy block patterns only by matching the blocks one by one
- draw the individual squares in a 'window' pattern incorrectly arranged
- copy a line correctly but not the equally spaced marks on it
- count up to three groups of two objects