

# Triangular numbers

Syllabus Ref: NS4.1

## Syllabus Glossary (p.201)

: numbers that can be represented by a triangular pattern of dots (hence, *figurate numbers*). The first three triangular numbers 1, 3 and 6 can be represented by



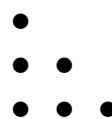
**Examples of triangular numbers in the real world:** ten pin bowling pins, snooker balls, birds flying in formation, side view of a stair case pattern, objects stacked in displays

**The first 20 triangular numbers are:**

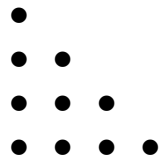
1, 3, 6, 10, 15, 21, 28, 36, 45, 55, 66, 78, 91, 105, 120, 136, 153, 171, 190, 210, ...



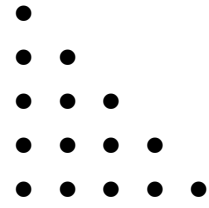
3



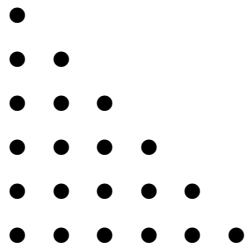
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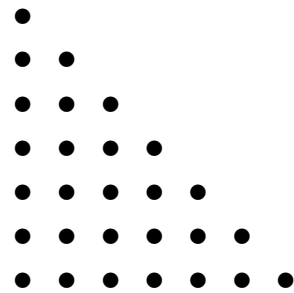
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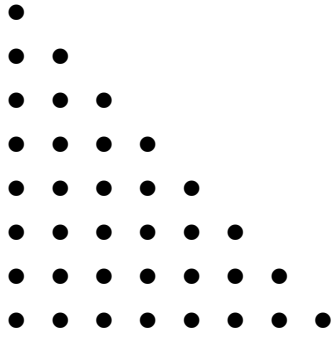
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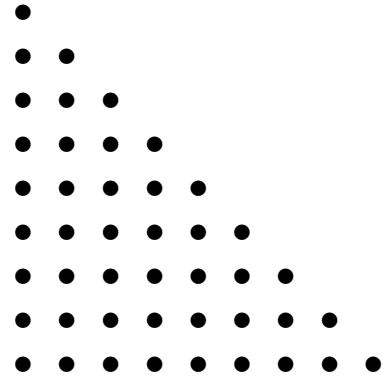
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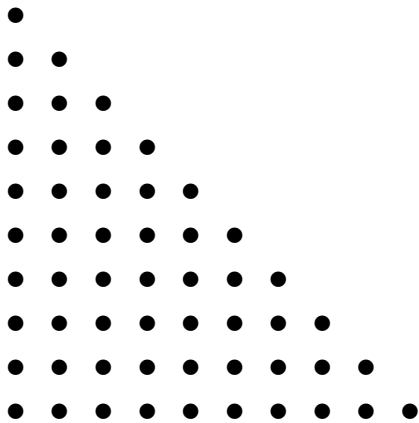
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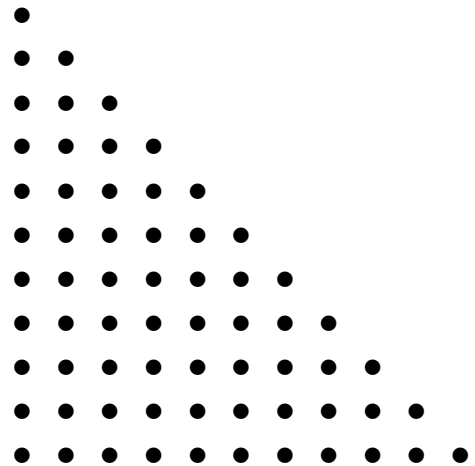
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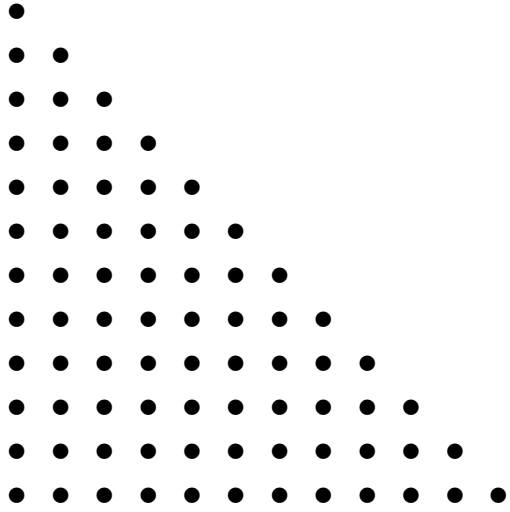
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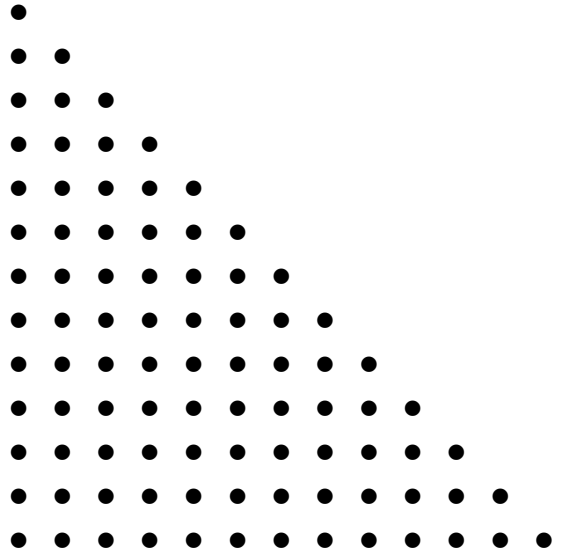
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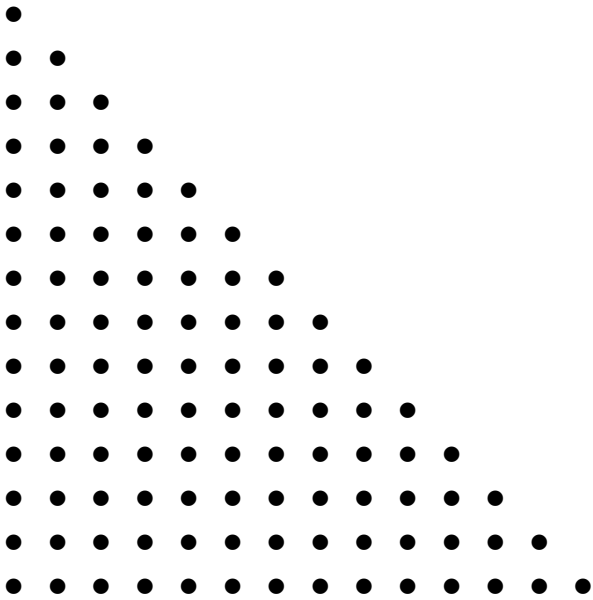
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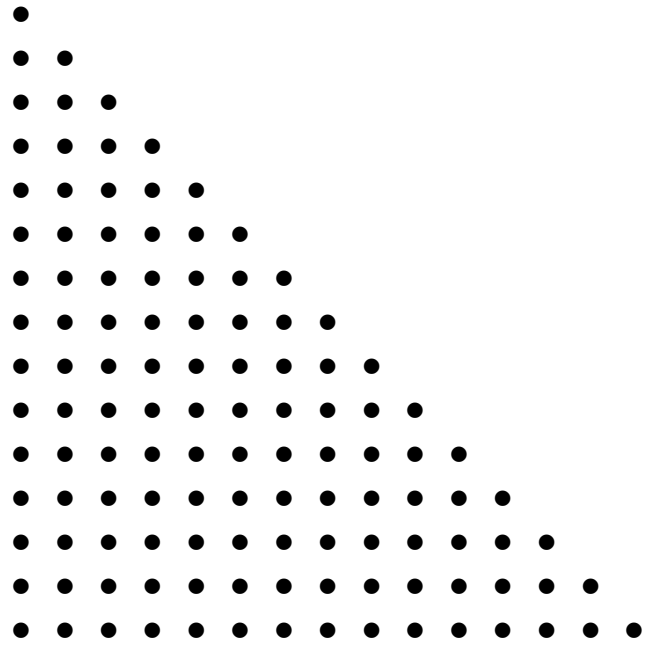
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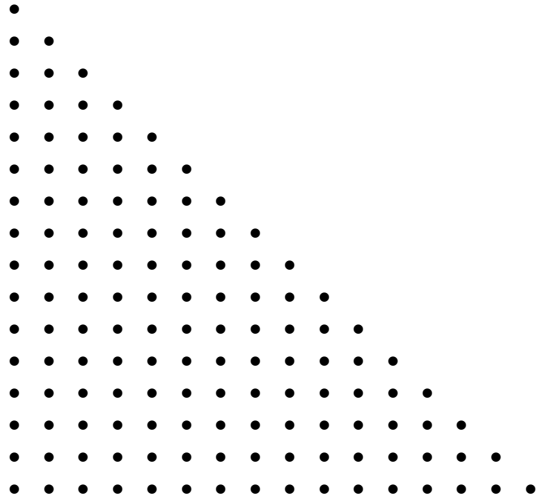
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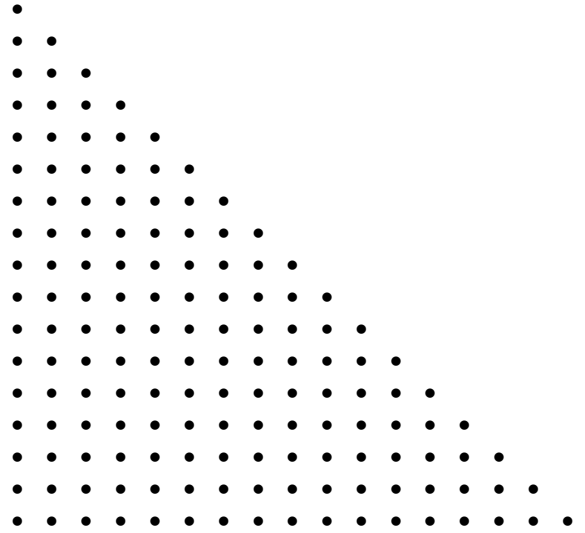
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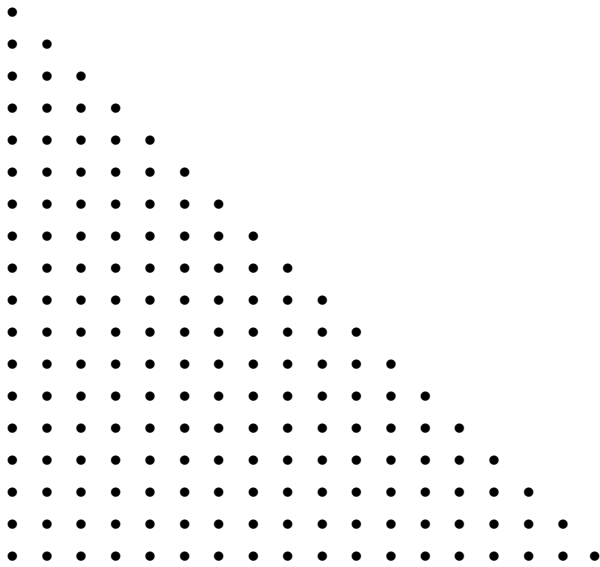
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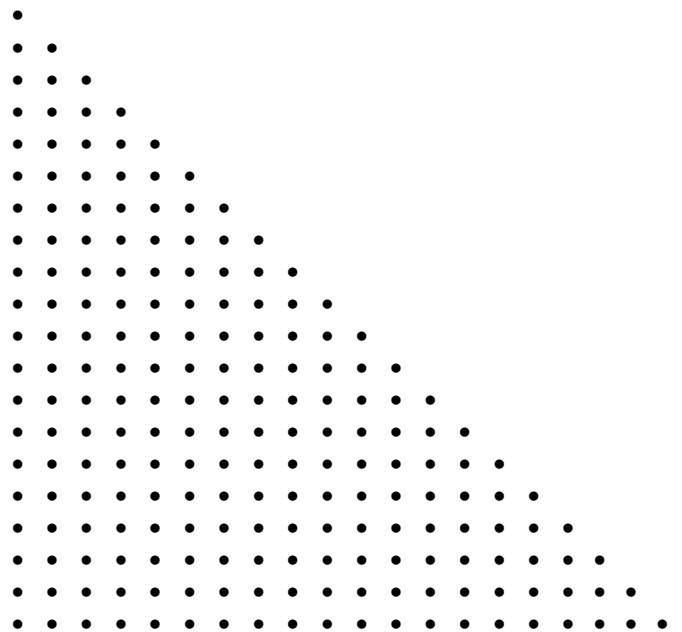
136



153



171



190

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