


2024 MTD TERM 3

TWT and Lesson Study



*Investing in Education
Changing Lives!*





Everyone can learn maths to high levels!

Believe in yourself, it changes what you can do!

Maths is about creativity and making sense!

Mistakes and challenge are the best times for your brain!



 **youcubed** Maths Class Norms

Maths is about learning not performing!

Questions & discussions deepen your mathematical understanding!


Visualize and make connections to strengthen your brain!

Depth is more important than speed!



Why are we here?

Lesson study project:
Prepare a lesson for ECKED Circuit 4



Aim of lesson: Revise skills and knowledge that learners need to conceptualise Patterns

1. Multiplication Tables and Patterns
2. Visualisation and Geometric patterns
3. Games to enhance conceptualisation of multiplication and division as inverse operations.

Visualisation and Geometric Patterns

Small squares are used to build a pattern of shapes as shown.

How many squares would be used in the 10th figure?


How many squares would be used in the 1 000th figure?

How many squares would be used in the n^{th} figure?

Figure 1

Figure 2

Figure 3



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Figure 1




Figure 2

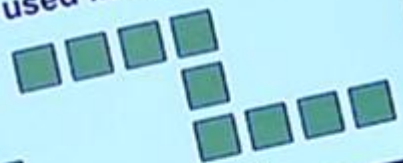
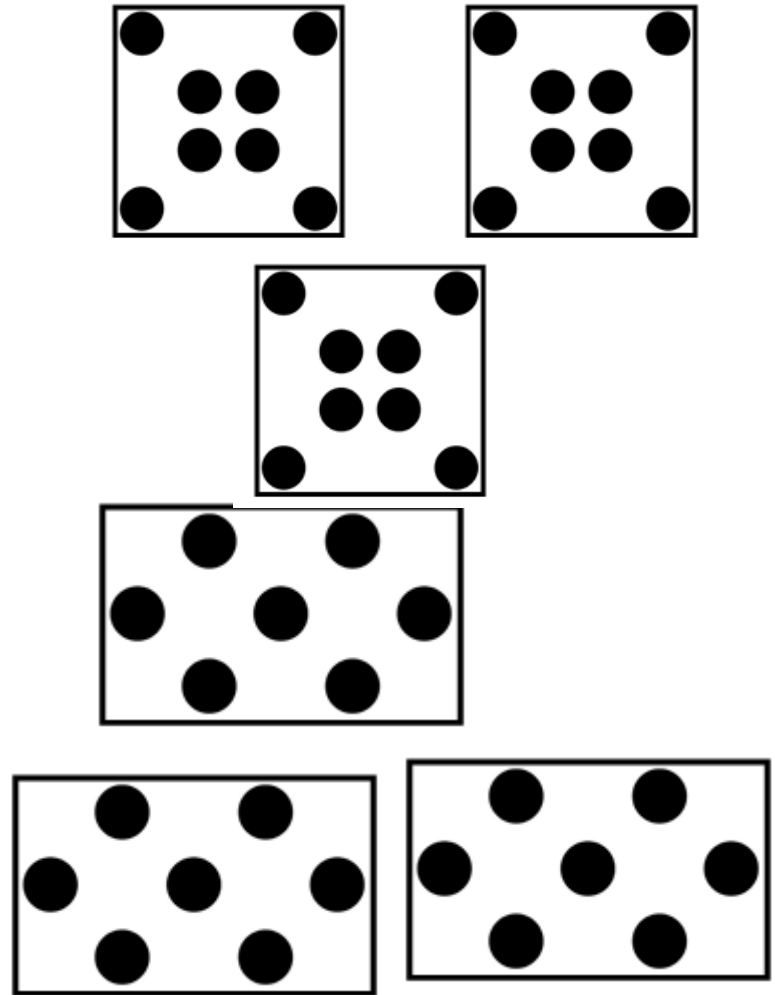
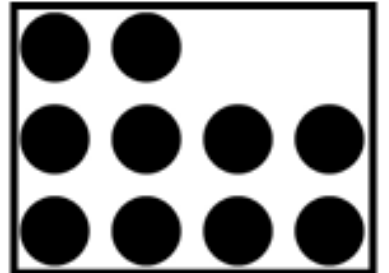
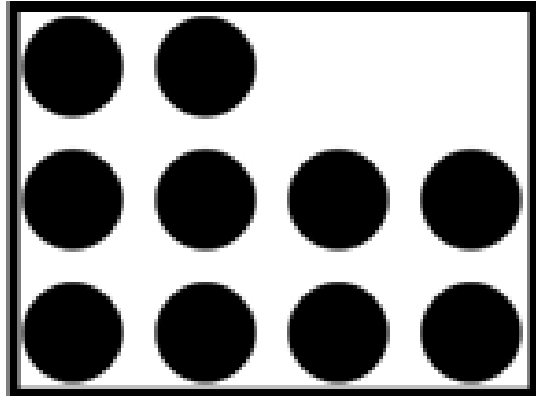
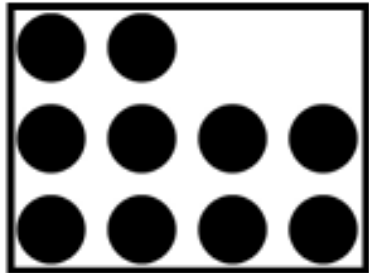
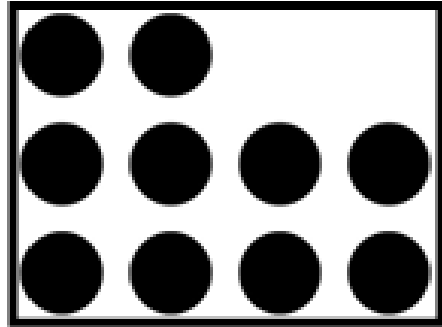
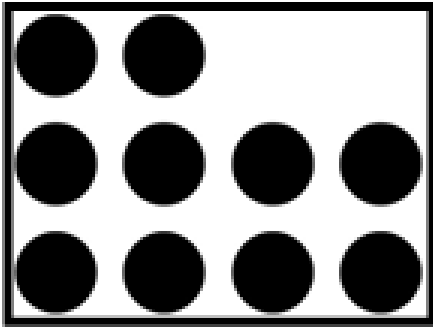
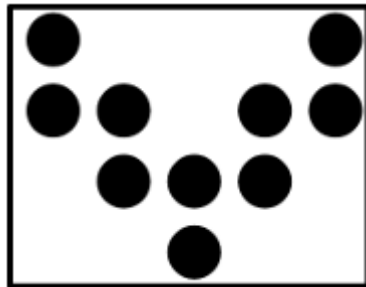
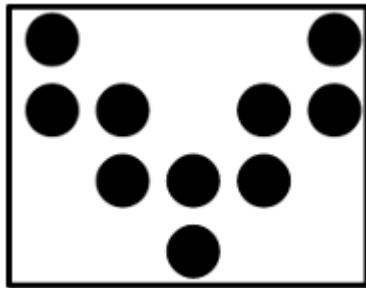
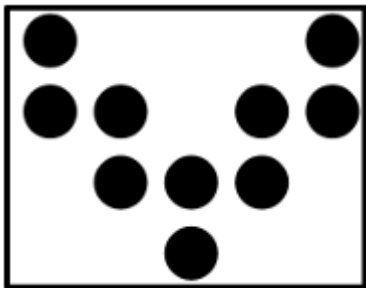
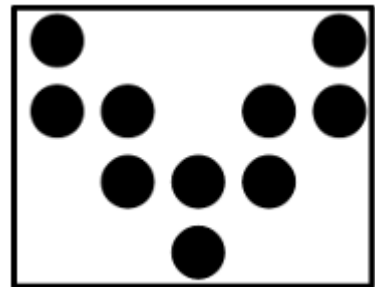
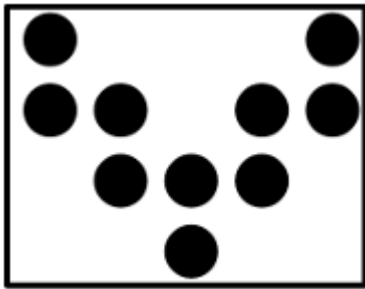
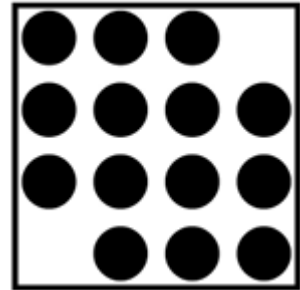
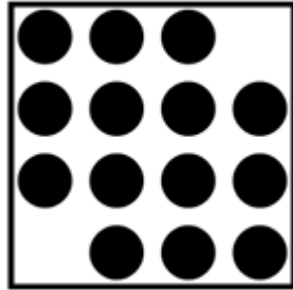
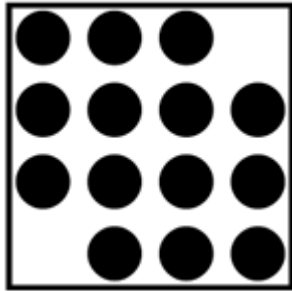
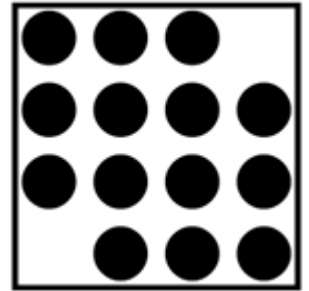
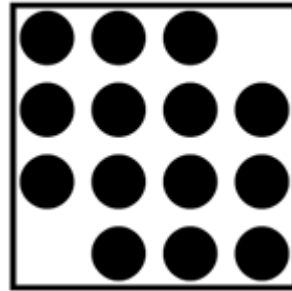
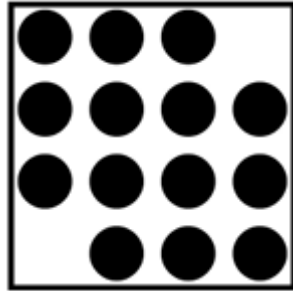
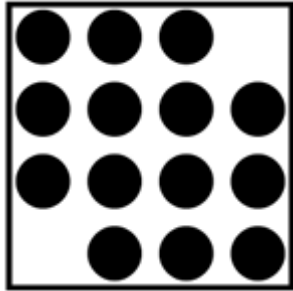


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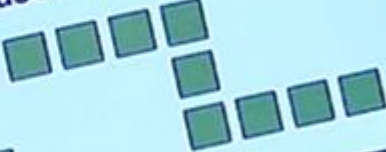
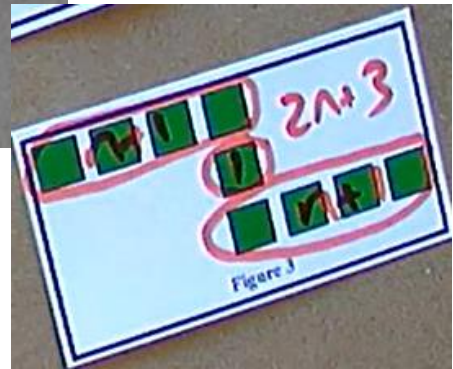
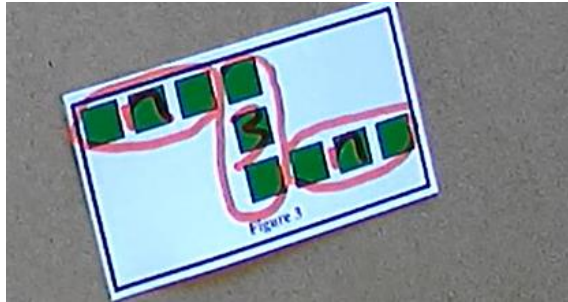


Figure 3





Acknowledgements

Ubuntu Maths Algebra books and videos

KILT MTD ASC Workshop presented by Neil Eddy