

Problem-Solving: Maths & The Real World

Rob Eastaway

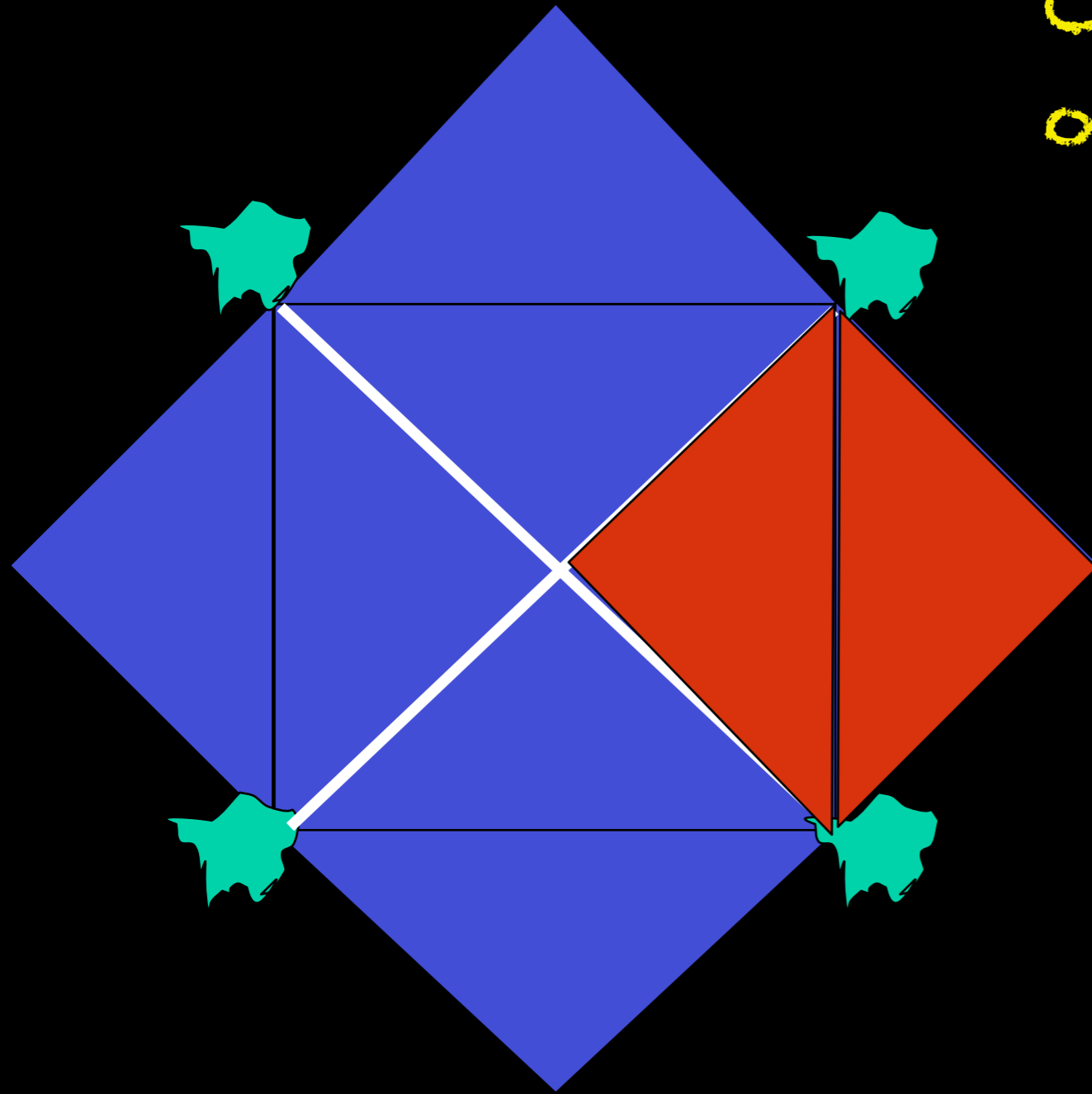
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Real life Problem-Solving

- 1 You check you understand (by asking).
- 2 Not certain there is an 'answer'.
- 3 Common sense is also involved.
- 4 You care.

How can they make their square swimming pool twice as big and still square?



Creative answers always offered by children:

- * Make the pool twice as deep
- * Put the trees on islands
- * Build a new pool somewhere else

“I know this sounds stupid, but....”



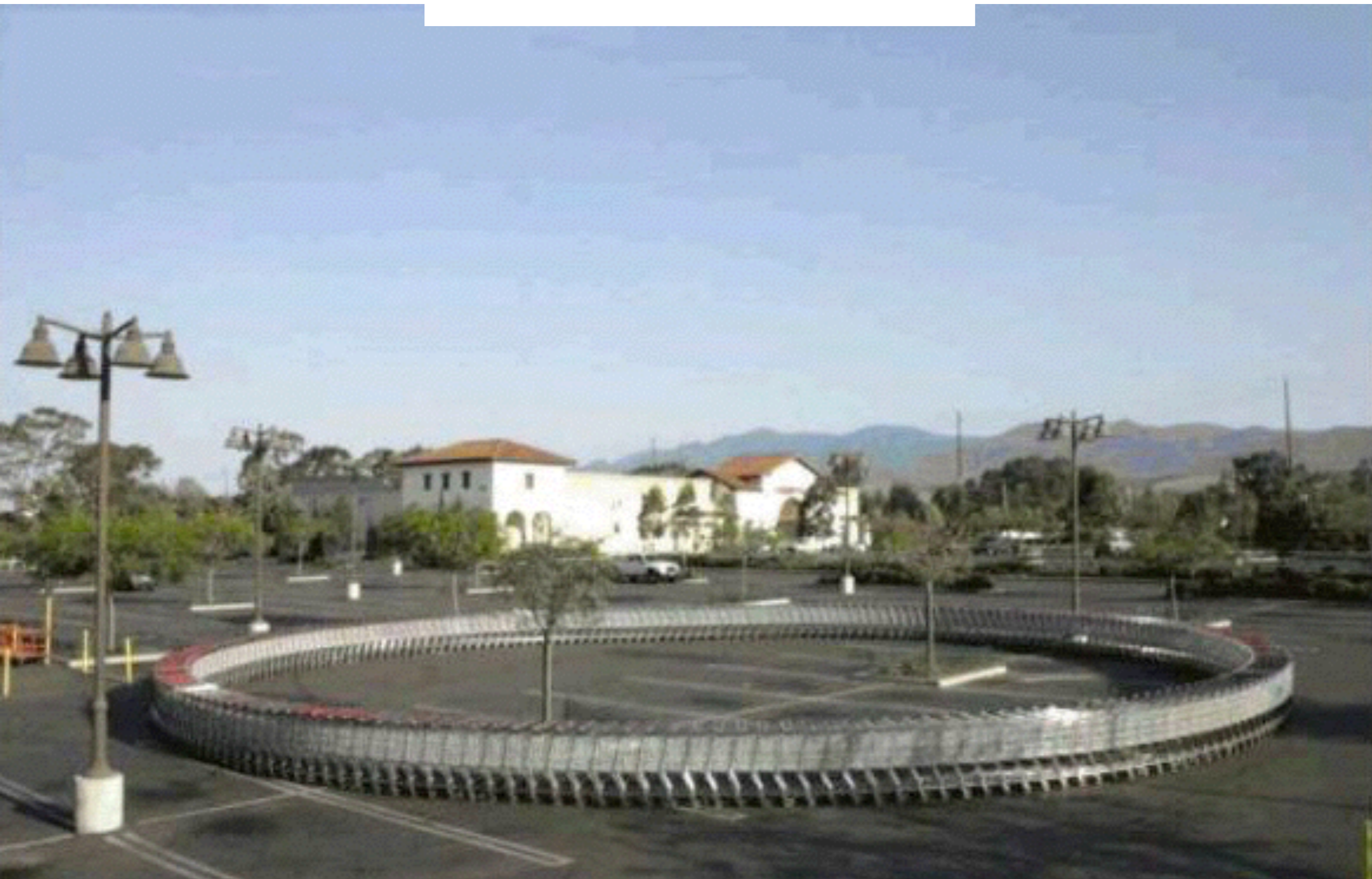
Apprentice Series 4 - Episode 3 (Kevin the "chef")

Dan Meyer

Three-Act Math(s)

1. Set up the situation: What's interesting here?
2. What maths do we need to tackle it?
3. What was the outcome?

101QS.com



What Questions do YOU want to ask?

- Students discuss questions in pairs
- Collect questions on flipchart
- Pick out the question that is the most mathematically interesting
- Work on what information you need to know to answer the question.

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