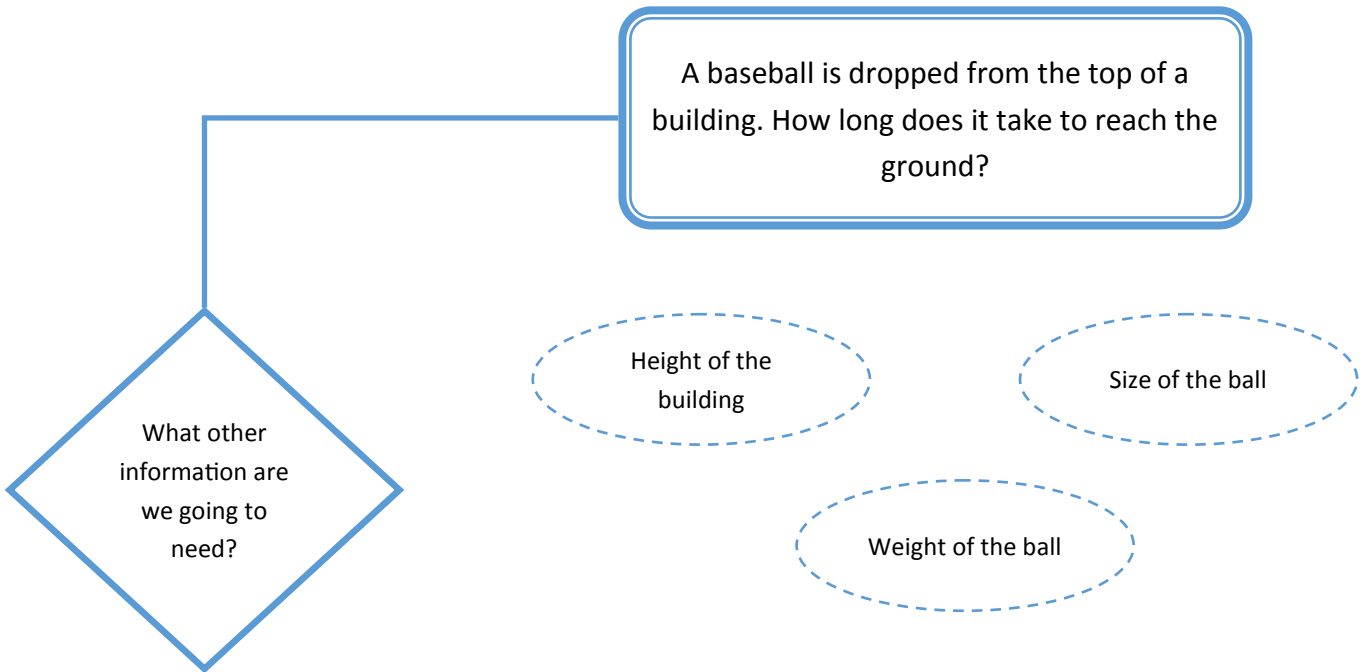


# Introduction Lesson: Quadratic Functions

## Specific Expectations:

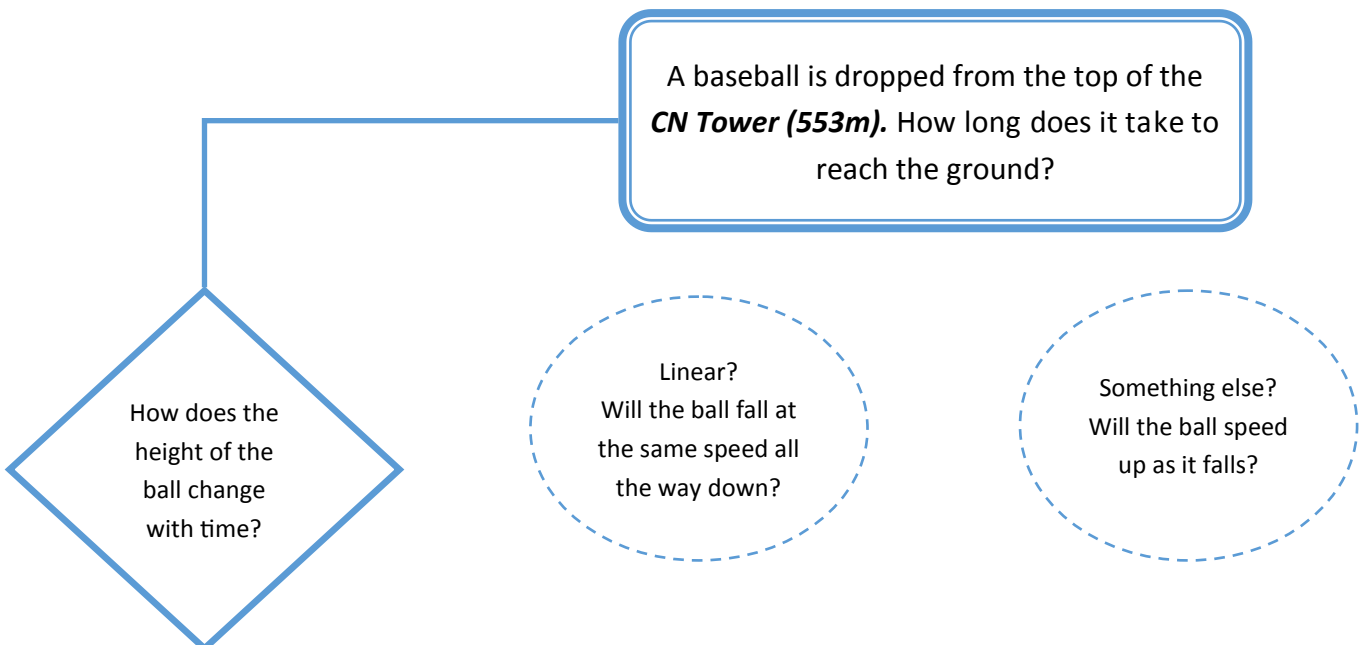
- 1.1 pose problems involving quadratic relations arising from real-world applications
- 3.1 collect data that can be modelled as a quadratic function, through investigation



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### Have students test their hypothesis. Questions to ask:

- How could we test for change in height?
- What is meant by size? (Volume? Surface area?) How could we test this?
- Does weight matter? How could we test this?
- What properties do we need to keep the same in our test? What properties can we change? What will we be measuring?
- How can we represent our data to draw a conclusion?



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### Questions to ask:

- How could we test to see if the time to the ground is linear or not?
  - What could we change? What could we measure?
  - How could we model for a building that is 553m tall?
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