## Reigate Grammar School



# 13+ Entrance Examination November 2013 

## MATHEMATICS

Calculator Paper

Time allowed: 45 minutes

NAME

- Work through the paper carefully
- You do not have to finish everything
- You may use a calculator
- Do not spend too much time on any single question
- Show any working in the spaces provided
- Use the blank left hand pages for rough work


| You are given that the surface area of a sphere is <br> equal to the area of the largest circular cross-section <br> multiplied by 4. <br> Given that the radius of the largest circular cross-section <br> is 10 cm, find the surface area of the sphere shown here. | Do not <br> write <br> in this <br> box |
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