



Task Number	2	Task Name	Half Yearly Test
Course	Year 9 Mathematics	Faculty	Mathematics
Teacher	Broadley, Tyson, Cabot, Whitehall.	Head Teacher	Humphrys
Issue date	16/5/2024	Due date	30/5/2024
Focus (Topics)	Surface Area, Volume, Linear Functions	Task Weighting	25%

Outcomes

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Student;

- develops understanding and fluency in mathematics through exploring and connecting mathematical concepts, choosing, and applying mathematical techniques to solve problems, and communicating their thinking and reasoning coherently and clearly **MAO-WM-01**
- determines the midpoint, gradient and length of an interval, and graphs linear relationships, with and without digital tools **MA5-LIN-C-01**
- applies trigonometric ratios to solve right-angled triangle problems **MA5-TRG-C-01**
- solves problems involving the surface area of right prisms and practical problems involving the area of composite shapes and solids **MA5-ARE-C-01**
- solves problems involving the volume of composite solids consisting of right prisms and cylinders **MA5-VOL-C-01**

Task instructions

- Reading time – 5 minutes.
- Working time – 40 minutes.
- Write using a black pen.
- NESA approved calculators are permitted in this test.
- Students may bring an A4 page of handwritten notes into the test.