

Volume of Cubes and Cuboids

November 2022 Paper 3

| Question | Answer | Mark | Mark scheme | Additional guidance |
|----------|--------|----------|----------------------------------|---------------------|
| 11 | 160 | M1 A1 | for $8 \times 5 \times 4$ cao | |

June 2020 Paper 2

| Question | Answer | Mark | Mark scheme | Additional guidance |
|----------|---------------------|------------------------|---|--|
| 11 | 600 cm ³ | M1 A1 B1 | for a complete method to find the volume eg $4 \times 10 \times 15$ for 600 (indep) cm ³ | If extra steps are shown do not award this mark Ignore incorrect or absent units for this mark Ignore incorrect or absent numerical answer for this mark |

November 2024 Paper 1

| Question | Answer | Mark | Mark scheme | Additional guidance |
|----------|--------|------|--|---|
| 14 (a) | 5 | P1 | for a start of a method to find the height, eg $10 \times 4 (= 40)$ or $200 \div 10 (= 20)$ or $200 \div 4 (= 50)$ or for forming a correct equation $10 \times 4 \times h = 200$ | |
| (b) | 126 | A1 | cao | |
| | | M1 | for a start to find the area of at least one face, eg $6 \times 3 (= 18)$ or $5 \times 3 (= 15)$ or $6 \times 5 (= 30)$ | Do not award first M if multiplied by a third length (ie volume calculation) |
| | | M1 | for combining the area of at least three of the correct faces eg "18" + "15" + "30" (= 63) or $2 \times "18" + "15"$ | May be part of a larger addition including incorrect areas. Do not award if more than 6 areas added. |
| | | A1 | cao | |

June 2023 Paper 1

| Question | Answer | Mark | Mark scheme | Additional guidance |
|----------|--------|--------------------------|---|-------------------------------------|
| 22 | 125 | P1 P1 P1 A1 | for process to find area of one face, eg $150 \div 6 (= 25)$ or $6x^2 = 150$ for process to find side length, eg $\sqrt{25} (= 5)$ for a complete process to find volume, eg “5” × “5” × “5” or “25” × “5” cao | where x is the length of one side |