



POWERS

SQUARES AND CUBES

NO CALCULATOR

Ref: G181. **1S1**

A1 Find 10^2	A2 Find 11^2	A3 Find 5^3	A4 Find 6^3
B1 Find $9^2 + 7^2$	B2 Find $12^2 - 5^2$	B3 Find $2^3 + 4^3$	B4 Find $6^3 - 5^3$
C1 Find $2^2 + 4^2 + 8^2$	C2 Find $7^2 + 5^2 - 3^2$	C3 Find $10^3 + 10^2 + 10$	C4 Find $1 + 0^2 + 0^3$
D1 Find $5^2 \times 3^2$	D2 Find $\frac{3^3 + 5^2}{2^2}$	D3 Find $7^3 - 7^2$	D4 Find $\frac{9^2 - 3^3}{3^2 + 3^3}$
E1 Find the missing integers: $\square^2 + \square^2 = 80$	E2 Find the missing integers: $\square^2 - \square^2 = 48$	E3 Find the missing integers: $\square^3 + \square^3 = 152$	E4 Find the missing integers: $\square^2 - \square^3 = 19$



POWERS

SQUARES AND CUBES

NO CALCULATOR

Ref: G181. **1S1**

A1 Find $10^2 = 10 \times 10$ $= 100$	A2 Find $11^2 = 11 \times 11$ $= 121$	A3 Find $5^3 = 5 \times 5 \times 5$ $= 125$	A4 Find $6^3 = 6 \times 6 \times 6$ $= 216$
B1 Find $9^2 + 7^2 = 81 + 49$ $= 130$	B2 Find $12^2 - 5^2 = 144 - 25$ $= 119$	B3 Find $2^3 + 4^3 = 8 + 64$ $= 72$	B4 Find $6^3 - 5^3 = 216 - 125$ $= 91$
C1 Find $2^2 + 4^2 + 8^2 = 4 + 16 + 64$ $= 84$	C2 Find $7^2 + 5^2 - 3^2 = 49 + 25 - 9$ $= 65$	C3 Find $10^3 + 10^2 + 10 = 1000 + 100 + 10$ $= 1110$	C4 Find $1 + 0^2 + 0^3 = 1 + 0 + 0$ $= 1$
D1 Find $5^2 \times 3^2 = 25 \times 9$ $= 225$	D2 Find $\frac{3^3 + 5^2}{2^2} = \frac{27 + 25}{4}$ $= 13$	D3 Find $7^3 - 7^2 = 343 - 49$ $= 294$	D4 Find $\frac{9^2 - 3^3}{3^2 + 3^3} = \frac{81 - 27}{9 + 27} = \frac{3}{2}$
E1 Find the missing integers: $\boxed{4}^2 + \boxed{8}^2 = 80$	E2 Find the missing integers: $\boxed{8}^2 - \boxed{4}^2 = 48$	E3 Find the missing integers: $\boxed{3}^3 + \boxed{5}^3 = 152$	E4 Find the missing integers: $\boxed{12}^2 - \boxed{5}^3 = 19$