SUBSTITUTION
SINGLE VARIABLE

NO CALCULATOR

Ref: G212. **1S1**

A1 If $n = 5$ Find the value of $3n$	**A2** If $n = 3$ Find the value of $n + 1$	**A3** If $n = 5$ Find the value of $3(n + 1)$	**A4** If $n = 3$ Find the value of $3(n - 1)$
B1 If $n = 9$ Find the value of $5(n - 7)$	**B2** If $n = 9$ Find the value of $5n - 7$	**B3** If $n = 4$ Find the value of $2(n + 1) + 1$	**B4** If $n = 2$ Find the value of $3(n + 2) + n$
C1 If $n = 7$ Find the value of $(n + 1) + (n - 1)$	**C2** If $n = 6$ Find the value of $(n + 2) - (n - 2)$	**C3** If $n = 4$ Find the value of $(n + 2)(n + 3)$	**C4** If $n = 6$ Find the value of $(n - 3) + 2(n + 5)$
D1 If $n = 5$ Find the value of $n^2 + 3$	**D2** If $n = 5$ Find the value of $(n + 3)^2$	**D3** If $n = 2$ Find the value of $n^2 + (n + 3)^2$	**D4** If $n = 7$ Find the value of $(n + 1)^2 - (n - 2)^2$
E1 If $n = 12$ Find the value of $\dfrac{n}{2} + \dfrac{n}{3}$	**E2** If $n = 3$ Find the value of $\dfrac{6}{n} + \dfrac{9}{n}$	**E3** If $n = 5$ Find the value of $\dfrac{n + 7}{n - 2}$	**E4** If $n = 12$ Find the value of $\dfrac{n}{4} + \dfrac{3}{n}$

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Ref: G212. **1S1**

A1 If $n = 5$ Find the value of $3n$ $3 \times 5 = 15$	**A2** If $n = 3$ Find the value of $n + 1$ $3 + 1 = 4$	**A3** If $n = 5$ Find the value of $3(n + 1)$ $3 \times (6) = 18$	**A4** If $n = 3$ Find the value of $3(n - 1)$ $3 \times (2) = 6$
B1 If $n = 9$ Find the value of $5(n - 7)$ $5 \times (2) = 10$	**B2** If $n = 9$ Find the value of $5n - 7$ $5 \times 9 - 7 = 38$	**B3** If $n = 4$ Find the value of $2(n + 1) + 1$ $2 \times (5) + 1 = 11$	**B4** If $n = 2$ Find the value of $3(n + 2) + n$ $3 \times (4) + 2 = 14$
C1 If $n = 7$ Find the value of $(n + 1) + (n - 1)$ $(8) + (6) = 14$	**C2** If $n = 6$ Find the value of $(n + 2) - (n - 2)$ $(8) - (4) = 4$	**C3** If $n = 4$ Find the value of $(n + 2)(n + 3)$ $(6) \times (7) = 42$	**C4** If $n = 6$ Find the value of $(n - 3) + 2(n + 5)$ $(3) + 2 \times (11) = 25$
D1 If $n = 5$ Find the value of $n^2 + 3$ $5^2 + 3 = 28$	**D2** If $n = 5$ Find the value of $(n + 3)^2$ $(8)^2 = 64$	**D3** If $n = 2$ Find the value of $n^2 + (n + 3)^2$ $2^2 + (5)^2 = 29$	**D4** If $n = 7$ Find the value of $(n + 1)^2 - (n - 2)^2$ $(8)^2 - (5)^2 = 39$
E1 If $n = 12$ Find the value of $\dfrac{n}{2} + \dfrac{n}{3}$ $\dfrac{12}{2} + \dfrac{12}{3} = 6 + 4$ $= 10$	**E2** If $n = 3$ Find the value of $\dfrac{6}{n} + \dfrac{9}{n}$ $\dfrac{6}{3} + \dfrac{9}{3} = 2 + 3$ $= 5$	**E3** If $n = 5$ Find the value of $\dfrac{n + 7}{n - 2}$ $\dfrac{5 + 7}{5 - 2} = \dfrac{12}{3}$ $= 4$	**E4** If $n = 12$ Find the value of $\dfrac{n}{4} + \dfrac{3}{n}$ $\dfrac{12}{4} + \dfrac{3}{12} = 3 + \dfrac{1}{4}$ $= 3.25$

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