



## POWERS

### SQUARES OF INTEGERS

### NO CALCULATOR

Ref: G1C1. **1S1**

<b>A1</b> Find $12^2$	<b>A2</b> Find $0^2$	<b>A3</b> Find $13^2$	<b>A4</b> Find $14^2$
<b>B1</b> Find $6^2 + 3^2$	<b>B2</b> Find $9^2 - 4^2$	<b>B3</b> Find $2^2 \times 3^2$	<b>B4</b> Find $2 \times 7^2$
<b>C1</b> Find $1^2 + 3^2 + 5^2$	<b>C2</b> Find $1^2 + 0^2 + 1^2$	<b>C3</b> Find $\frac{10^2 + 8^2}{2^2}$	<b>C4</b> Find $\frac{9^2 - 7^2}{4^2}$
<b>D1</b> Find $(1+2)^2$	<b>D2</b> Find $(1+2+3)^2$	<b>D3</b> Find $(1+2+3)^2 - (1+2)^2$	<b>D4</b> Find $(2+3+4)^2 - (2+3)^2$
<b>E1</b> Find the missing integers: $\square^2 - \square^2 = 96$	<b>E2</b> Find the missing integers: $\square^2 + \square^2 = 10^2$	<b>E3</b> Find the missing integers: $\square^2 - \square^2 = 12^2$	<b>E4</b> Find the missing integers: $2 \times \square^2 + \square^2 = 15^2$



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### SQUARES OF INTEGERS

### NO CALCULATOR

Ref: G1C1. **1S1**

<b>A1</b> Find $12^2 = 144$	<b>A2</b> Find $0^2 = 0$	<b>A3</b> Find $13^2 = 169$	<b>A4</b> Find $14^2 = 196$
<b>B1</b> Find $6^2 + 3^2 = 36 + 9$ $= 45$	<b>B2</b> Find $9^2 - 4^2 = 81 - 16$ $= 65$	<b>B3</b> Find $2^2 \times 3^2 = 4 \times 9$ $= 36$	<b>B4</b> Find $2 \times 7^2 = 2 \times 49$ $= 98$
<b>C1</b> Find $1^2 + 3^2 + 5^2 = 1 + 9 + 25$ $= 35$	<b>C2</b> Find $1^2 + 0^2 + 1^2 = 1 + 0 + 1$ $= 2$	<b>C3</b> Find $\frac{10^2 + 8^2}{2^2} = \frac{100 + 64}{4}$ $= 41$	<b>C4</b> Find $\frac{9^2 - 7^2}{4^2} = \frac{81 - 49}{16}$ $= 2$
<b>D1</b> Find $(1+2)^2 = 3^2$ $= 9$	<b>D2</b> Find $(1+2+3)^2 = 6^2$ $= 36$	<b>D3</b> Find $(1+2+3)^2 - (1+2)^2 = 6^2 - 3^2$ $= 27$	<b>D4</b> Find $(2+3+4)^2 - (2+3)^2 = 9^2 - 5^2$ $= 56$
<b>E1</b> Find the missing integers: $\boxed{10}^2 - \boxed{2}^2 = 96$	<b>E2</b> Find the missing integers: $\boxed{6}^2 + \boxed{8}^2 = 10^2$	<b>E3</b> Find the missing integers: $\boxed{13}^2 - \boxed{5}^2 = 12^2$	<b>E4</b> Find the missing integers: $2 \times \boxed{10}^2 + \boxed{5}^2 = 15^2$