



B¹DMAS

BRACKETS AND POWERS

NO CALCULATOR

Ref: G134. **3F1**

A1 Work out $5+10-2^2$	A2 Work out $5+(10-2)^2$	A3 Work out $5+10^2-2$	A4 Work out $(5+10)^2-2$
B1 Work out $5\times 2+10^2$	B2 Work out $5\times(2+10)^2$	B3 Work out $5\times 2^2+10$	B4 Work out $(5\times 2)^2+10$
C1 Work out $10\times 2\times 5^2$	C2 Work out $10\times(2\times 5)^2$	C3 Work out $(10\times 2)^2\times 5$	C4 Work out $(10\div 2)^2\times 5$
D1 Work out $2\times(5^2+10)$	D2 Work out $2\times(5+10^2)$	D3 Work out $2\times(5+10)^2$	D4 Work out $(2+5^2)\times 10$
E1 Work out $5+10-(2+4)^2$	E2 Work out $5+10-(2+4^2)$	E3 Work out $5+10^2-(2+4)$	E4 Work out $(5+10)^2-(2+4^2)$



B¹DMAS

BRACKETS AND POWERS

NO CALCULATOR

Ref: G134. **3F1**

<p>A1 Work out</p> $5 + 10 - 2^2 = 5 + 10 - 4$ $= 15 - 4$ $= 11$	<p>A2 Work out</p> $5 + (10 - 2)^2 = 5 + 8^2$ $= 5 + 64$ $= 69$	<p>A3 Work out</p> $5 + 10^2 - 2 = 5 + 100 - 2$ $= 105 - 2$ $= 103$	<p>A4 Work out</p> $(5 + 10)^2 - 2 = 15^2 - 2$ $= 225 - 2$ $= 223$
<p>B1 Work out</p> $5 \times 2 + 10^2 = 10 + 100$ $= 110$	<p>B2 Work out</p> $5 \times (2 + 10)^2 = 5 \times 12^2$ $= 5 \times 144$ $= 720$	<p>B3 Work out</p> $5 \times 2^2 + 10 = 5 \times 4 + 10$ $= 20 + 10$ $= 30$	<p>B4 Work out</p> $(5 \times 2)^2 + 10 = 10^2 + 10$ $= 100 + 10$ $= 110$
<p>C1 Work out</p> $10 \times 2 \times 5^2 = 10 \times 2 \times 25$ $= 20 \times 25$ $= 500$	<p>C2 Work out</p> $10 \times (2 \times 5)^2 = 10 \times 10^2$ $= 10 \times 100$ $= 1000$	<p>C3 Work out</p> $(10 \times 2)^2 \times 5 = 20^2 \times 5$ $= 400 \times 5$ $= 2000$	<p>C4 Work out</p> $(10 \div 2)^2 \times 5 = 5^2 \times 5$ $= 25 \times 5$ $= 125$
<p>D1 Work out</p> $2 \times (5^2 + 10) = 2 \times (25 + 10)$ $= 2 \times 35$ $= 70$	<p>D2 Work out</p> $2 \times (5 + 10^2) = 2 \times (5 + 100)$ $= 2 \times 105$ $= 210$	<p>D3 Work out</p> $2 \times (5 + 10)^2 = 2 \times 15^2$ $= 2 \times 225$ $= 450$	<p>D4 Work out</p> $(2 + 5^2) \times 10 = (2 + 25) \times 10$ $= 27 \times 10$ $= 270$
<p>E1 Work out</p> $5 + 10 - (2 + 4)^2 = 5 + 10 - 6^2$ $= 5 + 10 - 36$ $= 15 - 36$ $= -21$	<p>E2 Work out</p> $5 + 10 - (2 + 4^2) = 5 + 10 - (2 + 16)$ $= 5 + 10 - 18$ $= 15 - 18$ $= -3$	<p>E3 Work out</p> $5 + 10^2 - (2 + 4) = 5 + 100 - 6$ $= 105 - 6$ $= 99$	<p>E4 Work out</p> $(5 + 10)^2 - (2 + 4^2) = 15^2 - (2 + 16)$ $= 225 - 18$ $= 207$