# B[I]DMAS
## USING BRACKETS

## NO CALCULATOR



| | | | |
|---|---|---|---|
| **A1** Work out<br>$8 + 4 - 2$ | **A2** Work out<br>$8 + (4 - 2)$ | **A3** Work out<br>$8 \times 4 - 2$ | **A4** Work out<br>$8 \times (4 - 2)$ |
| **B1** Work out<br>$8 + 4 \times 2$ | **B2** Work out<br>$(8 + 4) \times 2$ | **B3** Work out<br>$8 - 4 \div 2$ | **B4** Work out<br>$(8 - 4) \div 2$ |
| **C1** Work out<br>$8 \times 4 \div 2$ | **C2** Work out<br>$8 \times (4 \div 2)$ | **C3** Work out<br>$8 \div 4 \times 2$ | **C4** Work out<br>$8 \div (4 \times 2)$ |
| **D1** Work out<br>$(8 + 4) \div 2$ | **D2** Work out<br>$8 \div (4 - 2)$ | **D3** Work out<br>$8 - (4 - 2)$ | **D4** Work out<br>$8 \div (4 \div 2)$ |
| **E1** Work out<br>$8 \times 4 + 2 \times 6$ | **E2** Work out<br>$8 \times (4 + 2) \times 6$ | **E3** Work out<br>$8 + 4 \times 2 + 6$ | **E4** Work out<br>$(8 + 4) \times (2 + 6)$ |

# B'DMAS

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Ref: G123. 2F1

**A1** Work out

$8 + 4 - 2$ $= 12 - 2$ $= 10$

Do this part first

**A2** Work out

$8 + (4 - 2)$ $= 8 + 2$ $= 10$

Do this part first

**A3** Work out

$8 \times 4 - 2$ $= 32 - 2$ $= 30$

**A4** Work out

$8 \times (4 - 2)$ $= 8 \times 2$ $= 16$

**B1** Work out

$8 + 4 \times 2$ $= 8 + 8$ $= 16$

**B2** Work out

$(8 + 4) \times 2$ $= 12 \times 2$ $= 24$

**B3** Work out

$8 - 4 \div 2$ $= 8 - 2$ $= 6$

**B4** Work out

$(8 - 4) \div 2$ $= 4 \div 2$ $= 2$

**C1** Work out

$8 \times 4 \div 2$ $= 32 \div 2$ $= 16$

**C2** Work out

$8 \times (4 \div 2)$ $= 8 \times 2$ $= 16$

**C3** Work out

$8 \div 4 \times 2$ $= 2 \times 2$ $= 4$

**C4** Work out

$8 \div (4 \times 2)$ $= 8 \div 8$ $= 1$

**D1** Work out

$(8 + 4) \div 2$ $= 12 \div 2$ $= 6$

**D2** Work out

$8 \div (4 - 2)$ $= 8 \div 2$ $= 4$

**D3** Work out

$8 - (4 - 2)$ $= 8 - 2$ $= 6$

**D4** Work out

$8 \div (4 \div 2)$ $= 8 \div 2$ $= 4$

**E1** Work out

$8 \times 4 + 2 \times 6$ $= 32 + 12$ $= 44$

**E2** Work out

$8 \times (4 + 2) \times 6$ $= 8 \times 6 \times 6$ $= 48 \times 6$ $= 288$

**E3** Work out

$8 + 4 \times 2 + 6$ $= 8 + 8 + 6$ $= 22$

**E4** Work out

$(8 + 4) \times (2 + 6)$ $= 12 \times 8$ $= 96$