

Order of Operations (BODMAS)

Video 211 on Corbettmaths

Examples

Workout



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Question 1: Work out

- | | | | |
|---------------------------|----------------------------|-------------------------|--------------------------|
| (a) $7 + 2 \times 3$ | (b) $9 + 4 \times 2$ | (c) $10 + 2 \times 2$ | (d) $18 + 4 \div 2$ |
| (e) $20 - 5 \times 2$ | (f) $8 - 2 \times 3$ | (g) $21 - 9 \div 3$ | (h) $100 - 40 \times 2$ |
| (i) $16 \div 1 - 3$ | (j) $5 + 5 \times 5$ | (k) $13 - 7 \div 1$ | (l) $7 \times 6 - 4$ |
| (m) $9 + 3 - 2$ | (n) $20 - 5 + 6$ | (o) $21 - 17 + 4$ | (p) $30 \times 4 \div 2$ |
| (q) $(7 + 7) \div 2$ | (r) $35 - (9 + 3)$ | (s) $40 \times (2 + 3)$ | (t) $60 \div (1 + 5)$ |
| (u) $15 \div (3 + 2)$ | (v) $9 \times (7 + 4)$ | (w) $90 \div (52 - 7)$ | (x) $(8 + 9) \times 3$ |
| (y) $10 + 5 + 3 \times 3$ | (z) $100 - 6 + 2 \times 3$ | | |

Question 2: Work out

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|----------------------|-----------------------|----------------------|-----------------------------|
| (a) $5 - 2^2$ | (b) $7 + 3^2$ | (c) $9^2 + 1$ | (d) $6^2 - 5^2$ |
| (e) $(7 - 2)^2$ | (f) $(4 + 3)^2$ | (g) $(1 + 2)^3$ | (h) $(2 + 8)^3$ |
| (i) $10 - \sqrt{16}$ | (j) $\sqrt{(2 + 14)}$ | (k) $\sqrt{4 + 3^2}$ | (l) $2 \times 5 - \sqrt{4}$ |

Question 3: Work out

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|-------------------------------|------------------------------|------------------------------|----------------------------|
| (a) $5 \times 3 + 2 \times 6$ | (b) $9 \div 3 + 15 \times 2$ | (c) $10 \div 2 - 2 \times 1$ | (d) $5 \times (2 + 1) + 4$ |
| (e) $8 + (5 - 1) \times 3$ | (f) $50 - (1 + 4) \times 4$ | (g) $19 \times 2 + 5^2$ | (h) $8^2 + 2 \times 3^2$ |
| (i) $7 \times (8 \div 4)^2$ | (j) $11 + 11 - 6^2 \div 2$ | | |

Question 4: Copy out the following and insert brackets in each to make the correct answer.

- | | | |
|-------------------------------|------------------------------------|-------------------------------------|
| (a) $10 \times 2 + 6 = 80$ | (b) $5 + 5 \div 5 = 2$ | (c) $18 - 6 \div 2 = 6$ |
| (d) $5 + 2 \times 3 + 1 = 13$ | (e) $2 \times 7 + 1 \times 3 = 48$ | (f) $9 + 3^2 \times 10 \div 2 = 90$ |