

## 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

- (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

- (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)  $9 + 3^2 \times 10 \div 2 = 90$