

EXERCISES ON ORDER OF OPERATIONS

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EXERCISE 1

1. Please evaluate the following in the order BIDMAS, showing your working.

A. $2 \div 1 + (15 - 7)^2 - (42 + 23)$

B. $\left(\frac{8}{2} - 2\right)^3 - (6^2 + 3) + 35 \div 7 - 1$

C. $3^3 - (6.25 \times 3) + (5^2 - 20)^2 + 2.1$

Challenge

D. $0.5 + \left(\frac{1}{2} - \frac{5}{2} + \frac{9}{2}\right) - 2.5 \div 0.5$

2. Challenge

Please evaluate the following in the order BIDMAS, showing your working.

A. $(a - 2) + 4^2 \times 2 + 3$, where $a = 2^2$

B. $5 \times 4 - (a + 2 \times a) + 20 \div a$, where $a = 5$

C. $a + b - 2 \times b + (b^2 - a^2) + 1$, where $a = 27 \div 9$,
and $b = 2 \times 3$