BODMAS

When carrying out a calculation we give priority to certain operations. For example, on your calculator type $5 + 2 \times 3$. Older calculators will give the answer 21, while newer calculators give the correct answer of 11. This is because multiplication gets priority before addition. The complete order is:

Brackets, Others, Division and Multiplication, Addition and Subtraction

| a) | 3 + 4 x 2 | b) 3 + 8 ÷ 4 - 1 | c) 27 ÷ 3 ² + 2 d) | 4 x (7 - 5) + 3 |
|----|-----------|------------------|-------------------------------|-----------------|
| | = 3 + 8 | = 3 + 2 - 1 | = 27 ÷ 9 + 2 | = 4 x 2 + 3 |
| | = 11 | = 4 | = 3 + 2 | = 8 + 3 |
| | | | = 5 | = 11 |

Exercise

 1.
 $2 + 4 \times 3$ 2.
 $6 \div 2 + 5$ 3.
 $2 + 4 \times 5 - 1$

 4.
 $(2 + 4) \times 3$ 5.
 $10 - 4 \times 2$ 6.
 $3 + 4^2 - 2$

 7.
 $8 - \frac{1}{2}$ of 12
 8.
 $15 - 7 \times 2 + 4$

Challenge $13 + 2^3 \div 4 - 3 \times 2$

Answers (Bodmas)

| 1. | 14 | 2. | 8 | 3. | 21 |
|------|-------|----|---|----|----|
| 4. | 18 | 5. | 2 | 6. | 17 |
| 7. | 2 | 8. | 5 | | |
| Chal | lenge | 9 | | | |