

BIDMAS

(Order of Operations)

No Calculators!

Have a go at these and compare answers with your neighbours. Can you remember any 'rules' which might be helpful?

Question 1: $7 + 5 \times 3 = 22$

Question 3: $7 + (5 \times 3) = 22$

Question 5: $(5 - 2)^2 + 2 \times 3 = 15$

Question 2: $(7 + 5) \times 3 = 36$

Question 4: $7 + 2^2 \times 3 = 19$

Question 6: $\frac{7+2}{7-2} = \frac{9}{5} = 1\frac{4}{5} = 1.8$

Rules? **BIDMAS**

More questions

Question 7: $6 - 4 + 7 = 9$

Question 9: $1.2 \times 3 + 3.5 \times 4 = 17.6$

Question 11: $12 \div 3 \times 2 + (-2)^2 = 12$

Question 8: $5 + 7 \times 2 = 19$

Question 10: $3 \times 4^2 + 3 = 51$

Question 12: $4 + 6 \div 2 - 3^3 = -20$

Extra questions

Question 13: What is the difference between -3^2 and $(-3)^2$? $-3^2 = -9$ and $(-3)^2 = 9$

Question 14: If $y = x^2 - 3x + 2$ find the value of y

(i) when $x = 4$

$y = 4^2 - 3 \times 4 + 2 = 16 - 12 + 2 = 6$

(ii) when $x = -2$

$y = (-2)^2 - 3 \times (-2) + 2 = 4 + 6 + 2 = 12$

Now try question 14 using your calculator...