GENMATHS RESOURCES

BIDMAS

Task 1 – Work out the value of the following calculations.

1) $6 + 3 - 2$

2) $10 + 12 - 5$

3) $7 \times 8 - 9$

4) $(8 - 3) \times 5$

5) $4 + 24 \div 6$

6) $100 - 27 \div 9$

7) $63 - 15 \div 5$

8) $\frac{15 \times 4 - 8}{2^2}$

9) $2 \times (8 - 3)$

10) $(14 + 6)^2$

11) $-4 \times 7 + 21$

12) $2^2 \times 3 \div 2$

13) $3 + (8 - 5)^3$

14) $(2 \times 10) \div (40 \div 10)$

15) $10 - \sqrt{36}$

16) $2 \times \sqrt{25}$

17) $\sqrt{3^2 + 16} \div 5$

18) $10 + 11 - 5^2 \div 5$

19) $18 \times 2 \div \sqrt{42 - 6}$

20) $\left(\sqrt{49} - 2\right) \div 0.25$

Task 2 – Add brackets to make each of the following equations true. You can add more than one pair of brackets if needed.

21) $15 - 3 \div 2 = 6$

22) $20 + 4 \div 8 = 3$

23) $5 \times 17 - 2 = 75$

24) $40 \div 4 \times 4 - 3 = 10$

25) $6 \times 3 - 4 \times 3 = 42$

26) $12 \div 4 \times 3 + 1 = 12$

27) $\sqrt{16} + 2 \div 3 = 2$

28) $2 + 6^2 - 3 = 61$

29) $15 + 6 - 3 \times 17 + 1 = 324$

30) $15 - \sqrt{81} \times 7 = 42$

Task 3 – Given that

$x = 363 \div 11^2 \quad y = \frac{50}{3+2} \quad z = 16 - 2 \times 4 + 3$

31) **Work out the value of** $x + y + z$

32) **Work out the value of** $z - y - x$

33) **Work out the value of** $x \times y \times z$

34) **Work out the value of** $z + x^2$

Task 4 – Using each of the numbers 15, 3, and 2 exactly once, create as many different calculations as possible. You may use the operations +, −, ×, and ÷ once, and in any order. The result of each calculation must be an integer.