**BIDMAS homework –** Stick the worksheet into your book neatly and answer these questions in your book.

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| **Literacy**BIDMAS**B** – Brackets**I** – Indices**DM** – Division and Multiplication**AS** – Addition and SubtractionOrder of operationSquared and square rootCubed and cube root | **Example**Calculate 3 + (9 – 4)2* Brackets first…..(9 – 4) = 5 and the sum becomes 3 + (5)2
* Indices next…….(5)2 = 5 x 5 = 25 and the sum becomes 3 + 25
* So the answer is **28**
 | **Memory**\*\*Remember that you do **division and multiplication** in the same order as they appear in the calculation.\*\*\*\*Remember that you do **addition and subtraction** in the same order that they appear in the calculation.\*\***62** is “6 squared” which means 6 x 6**63** is “6 cubed” which means 6 x 6 x 6√64 is “square root of 64” which is 8 (as 8 x 8 = 64)3√216 is “cube root of 216” which is 6 (as 6 x 6 x 6 = 216) |
| **Skills Practice**Work out the value of these expressions1. 5 x 4 + 3 b) (6 – 3) x 4 c) 10 – 8 + 2 d) 14 ÷ (4 + 3) e) 10 ÷ (10 x 10)
2. Calculate the following values
3. 32 b) 22 c) 23 d) 122 e) 93
4. Calculate the following values (try to do these without a calculator - think about your times tables and square numbers)
5. √64 b) √100 c) √81 d) √1 e) √36
6. Add brackets to make the following sums correct
7. 11 – 1 x 5 = 50 b) 8 ÷ 4 + 4 - 4 + 1 = 1 c) 12 – 4 – 1 = 9
 | **Challenge** **and** **Stretch**1. Calculate the following – you must show your working out
2. 5 + 32
3. √(72 + 9)
4. 10 - 23
5. 52 + √121

How much effort did you put into your homework? Give yourself a mark out of 10. / 101. √(32 + 42)
2. (53 – 3) x (42 – 13)
3. Write and solve your own

calculation that uses every operator once +, -, x, ÷, (, ), 2 |