

**Answer on Question #49743 – Math – Algebra**

$$696 \div 58 * 15 + 468 = (?)^3 - 164$$

- (1) 512
- (2) 6
- (3) 64
- (4) 9
- (5) None of these

**Solution:**

This question should be solved using BODMAS rule. 'Division' and 'Multiplication' perform equally, so calculate from left to right side.

First solve  $696 \div 58 = 12$ , then  $12 * 15 = 180$ .

Further perform 'Addition'.

Therefore  $180 + 468 = 648$  (i.e.  $696 \div 58 * 15 + 468 = 648$ ,  $648 = (?)^3 - 164$  ).

Then express unknown number at one side of the equation by adding 164 to both sides of equation:

$$(?)^3 = 648 + 164 = 812$$

Finally take the cube root of 812 to get ?.

Our unknown number is  $\sqrt[3]{812}$ . It can't be simplified further so it is a surd

**Answer:** (5) None of these