## Grade 7 MTAP 2015 Questions with Solutions Part 1

5 Replies

Below are actual MTAP Questions that has been released. I have created a detailed solution for each question. In this post, we answer 1-10. You can also read the solutions of problems 2-20. The file can be downloaded <a href="https://example.com/here/be/nee/be/solutions/nee/be/

1.) Simplify:  $2(3)^2 - 3(2)^3 + (1-4)^3$ 

#### Solution

$$2(3)^2 - 3(2)^3 + (1 - 4)^3$$
  
=  $2(9) - 3(8) + (-3)^3$   
=  $18 - 24 + (-27)$   
=  $-33$ 

Answer: -33

2.) By how much is 3 - 1/3 greater than 2 and 1/2?

#### Solution

$$3 - \frac{1}{3} = 2\frac{2}{5}$$
  
 $2 - \frac{1}{2} = 1\frac{1}{2}$ 

Subtracting the two results, we have  $2\frac{2}{3} - 1\frac{1}{2} = 2\frac{4}{6} - 1\frac{3}{6} = 1\frac{1}{6}$ 

Answer: 11

3.) Write 9/20000 in scientific notation.

#### Solution

$$\begin{array}{l} \frac{9}{20000} \ \text{can be written as} \ \frac{9}{2} \times \frac{1}{10000}. \\ \text{Since} \ \frac{9}{2} = 4.5 \ \text{and} \ \frac{1}{10000} = 10^{-4}. \\ \frac{9}{2000} = 4.5 \times 10^{-4}. \end{array}$$

Answer:  $4.5 \times 10^{-4}$ 

4.) What is the product of three consecutive multiples of 5 if the middle number is n?

# **Mtap Questions For Grade 7**

**Léo Pomar** 

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