

Assignment Sheet - 1

classmate

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Q.3. find the digit in the unit place of the cube of following numbers:

a) 47

b) 15

c) 55

d) 1000

Q.4 Simplify :

a) $(10)^2 - 4^3$

b) $(100)^3 - (100)^2$

c) $\left(\frac{4}{9}\right)^3 - \left(\frac{2}{3}\right)^3$

d) $\left(-\frac{2}{3}\right)^3 - \left(\frac{1}{3}\right)^3$

e) If $x=5$, $y=2$, then

find :-

i) $x^3 + y^3$

(ii) $x^3 - y^3$

(iii) $(x+y)^3$

(iv) $(x-y)^3$

(v) $(x+y)^3 - (x-y)^3$

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21-5-20

Assignment for Dated 22 and
23 May 2020 (Sheet-1)

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Topic - finding Cube

Ques. 1 Find the cubes of following numbers.

(i) 0.06

(ii) $-\frac{3}{7}$

(iii) -4.2

(iv) 0.007

(v) 1.43

(vi) 0.24

(vii) -72

(viii) $\frac{10}{11}$

(ix) -0.3

(x) 0.111

Ques. 2. Find the values of the following questions

a) If $y=5$, then what is the value of $10y\sqrt{y^3-y^2}$?

b) If $x \times y = x + y + \sqrt{xy}$, the value of $6 \times 24 = ?$, where $x=6$
 $y=24$

c) If $y=5$, $z=7$, find $y^3 - z^3$

d) If $a=10$, $b=100$, find $a^3 + b^3$

e) If $m=100$, $n=50$, find $m^3 + n^3 + (m+n)^3$