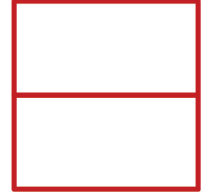## Model (3)

Science

1. The noble gases are located in ……………………… group.

   a) 7A   b) 8   c) 2B   d) O

2. Each of the following elements react with the diluted acids **except** ……………………

   a) Zinc   b) Iron   c) Carbon   d) Magnesium

3. Meteors are formed in ………………….

   a) Mesosphere   b) Ionosphere   c) Exosphere   d) Stratosphere

4. From the endangered creatures is ………………….

   a) Dinosaurs   b) Quagga   c) Dodo birds   d) Panda

5. The liquid Nitrogen is used in ………………reactor

   a) saving cornea   b) cooling of nuclear reaction

   c) manufacturing of foam boxes   d) food saving

6. Fossils are found in ………………… rocks.

   a) metamorphic   b) sedimentary   c) volcanic   d) igneous
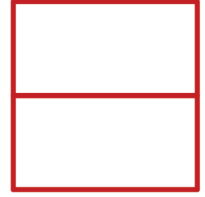
Maths

1) The mean of the values : 5 , 2 , 7 , 12 and 9 is ....

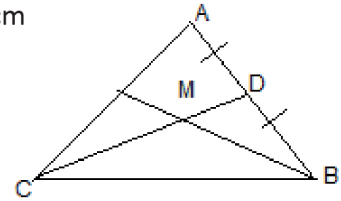(2 , 5 , 7 , 13)

2) <u>In the opposite figure</u> :

 M is the point of intersection of the medians of triangle ABC , CD = 12 cm

then CM = ... cm

(4 , 5 , 10 , 8)

3) ABC is a triangle in which AB = 3 cm , and AC = 7 cm , then BC $\in$ ....

([4 , 10] ,] 4 , 10] , [4 , 10 [,] 4 , 10 [ )

4) In triangle ABC : m($\angle B$) = 90^0 m($\angle C$) = 30^0 and AC = 10 cm ,then AB = ...cm

(2.5 , 5 , 10 , 15)

5) In ΔXYZ If m($\angle X$) = 50^0 , and m($\angle Y$) = 60^0 , then XY ......YZ

(> , < , = , twice)

6) The volume of sphere whose diameter length is 6 cm = ... cm^3

(288 , 12 π , 36 π , 288 π)

7) [2 , 5] − {2} = ...

( ] 2 , 5 [,] 2 , 5] , {5}, {7})

8) If the straight line passes through the two points (2 , k) and (4 , 7) is parallel to the x-axis ,

then k = ...

(5 , 4 , 7 , 1)