

I. Choose the correct answer: 5x1=5

1. The country inspector smiled at Margie and gave her an \_\_\_\_\_.  
a) orange      b) egg      c) ice - cream      d) apple
2. Our television screen must have had a million \_\_\_\_\_ on it.  
a) text      b) words      c) books      d) sentences
3. The mechanical teacher calculated the \_\_\_\_\_ in notice.  
a) sum      b) members      c) words      d) marks
4. Margie went to the school room in her \_\_\_\_\_.  
a) house      b) neighbour's house  
c) friend's house      d) uncle's house
5. Margie was thinking about how the kids must have \_\_\_\_\_ school in the old days.  
a) hated      b) loved      c) disliked      d) treated

II. Identify the speaker/character: 5x2=10

6. You don't know much Margie
7. She was given test after test in Geography.
8. A human? How could a human be a teacher?
9. He was a round little man with red face
10. Please insert yesterday's homework in the proper slot

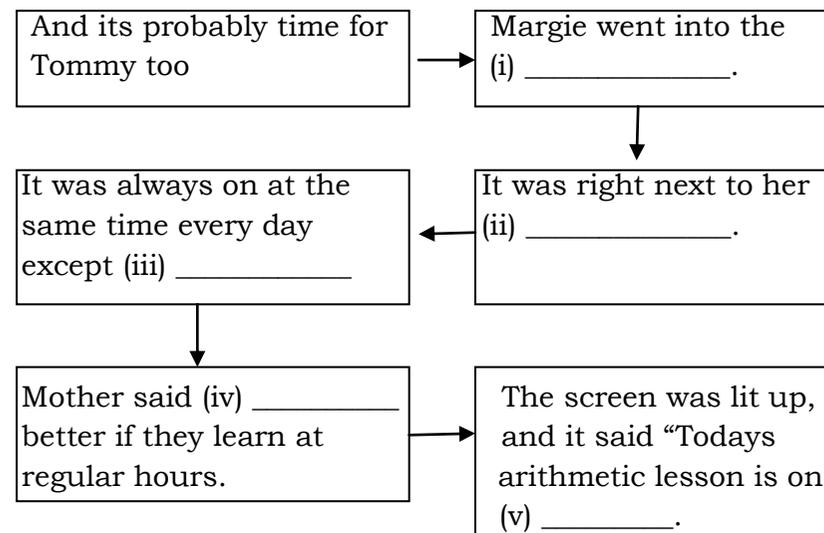
III. Fill in the blanks with the clues given below to complete the paragraph: 5x1=5

(Time, mechanical, person, test paper, the same thing)

Margie hated the slot where she had to insert her homework or (i) \_\_\_\_\_. Margie did not understand how a (ii) \_\_\_\_\_ could be a teacher and how the students were taught the (iii)

\_\_\_\_\_. Then it was (iv) \_\_\_\_\_ to school for Margie and Tommy. Margie went to the school room in her house where the (v) \_\_\_\_\_ teacher stood.

IV. Study the mind map and fill in the blanks: 5x1=5



V. Answer in a paragraph: (5)

1. Describe Tommy's find and its special features.

I. Answer any three of the following:

3x2=6

1. Rationalise the denominator  $\frac{1}{\sqrt{50}}$

2. Represent in scientific notation

(i) 569430000000

ii) 0.00006000

3. Write in decimal form

(i)  $3.459 \times 10^6$

ii)  $1.00005 \times 10^{-5}$

4. Rationalise the denominator  $\frac{\sqrt{75}}{\sqrt{18}}$

II. Answer the following:

3x5=15

5. If  $x = \sqrt{5} + 2$ , then find the value of  $x^2 + \frac{1}{x^2}$

6. Rationalise the denominator  $\frac{\sqrt{5}}{\sqrt{6+2}} - \frac{\sqrt{5}}{\sqrt{6-2}}$

7. Represent in scientific notation  $(300000)^2 \times (20000)^4$

III. Choose the correct answer:

4x1=4

8. If  $\sqrt{9^x} = \sqrt[3]{9^2}$ , then  $x =$

1)  $\frac{2}{3}$

2)  $\frac{4}{3}$

3)  $\frac{1}{3}$

4)  $\frac{5}{3}$

9. When  $(2\sqrt{5} - \sqrt{2})^2$  is simplified, we get

1)  $4\sqrt{5} + 2\sqrt{2}$

2)  $22 - 4\sqrt{10}$

3)  $8 - 4\sqrt{10}$

4)  $2\sqrt{10} - 2$

10.  $\sqrt{27} + \sqrt{12} =$

1)  $5\sqrt{39}$

2)  $5\sqrt{6}$

3)  $5\sqrt{3}$

4)  $3\sqrt{5}$

11.  $5\sqrt{8} \times 2\sqrt{8} =$

1)  $10\sqrt{8}$

2) 80

3)  $10\sqrt{16}$

4)  $7\sqrt{8}$