Name : _____ Roll# : _____ Topic : Ratio & Rate

1. Fill in the blanks by choosing the correct answer from box given below .

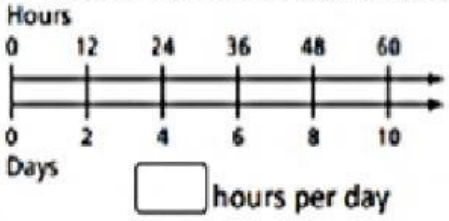
Rs30, 4 , 18 , 9 , Rs 7.5 , 3

(i) If the ratio of goldfish to gallons of water is 9 to 4. It means for every _____ goldfish, there are _____gallons of water.

(ii) The price of oranges is 4 for Rs 30.it means for every 4 oranges, you pay _____.

(iii) You are taking a test in Mathematics. There are 15 questions and 45 minutes. It means for each questions, you have _____ minutes.

2. Fill in the boxes by writing unit rate for each of the following situation.





3. Choose the correct answer for each of the following

(i)The missing number in table(given at right) is :

1	2	3	4	5
3	6	9	?	15

(a) 12 (b) 7

(c) 11 (d) 10

(ii) Write the following statement as rate .It took Ali 35minutes to bike 7 miles.

(a) 1mile/35minutes (c) 35miles /minute

(b) 1mile /5minutes (d) 1mile /7minutes

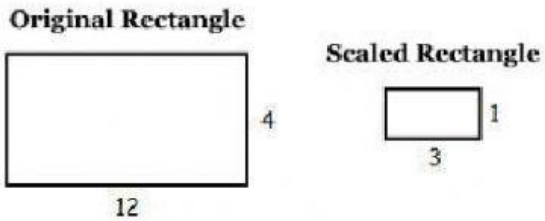
(iii) The second element in most simplified from of ratio $\frac{1}{5}$: 2 is:

(a) 2 (b) 5 (c) 10 (d) 1

(iv) If cost of 2 dozen banana is Rs 240, cost of 4 bananas is :

(a) Rs 24 (b) Rs10 (c) 6 (d) Rs 40

(v)* Examine the figures below.



What scale factor (ratio) was used to scale the rectangle?

(a) ¼ (b) 1/3 (c) 3 (d) 4

(vi) Two numbers are in the ratio 7 : 9. If the sum of the numbers is 112 then the larger number is:

(a) 49 (b) 72 (c) 63 (d) 42

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(vii) Length and width of a field are in the ratio 5 : 3. If the width of the field is 42 m then its length is:

(a) 100 m (b) 80 m (c) 50 m (d) 70 m

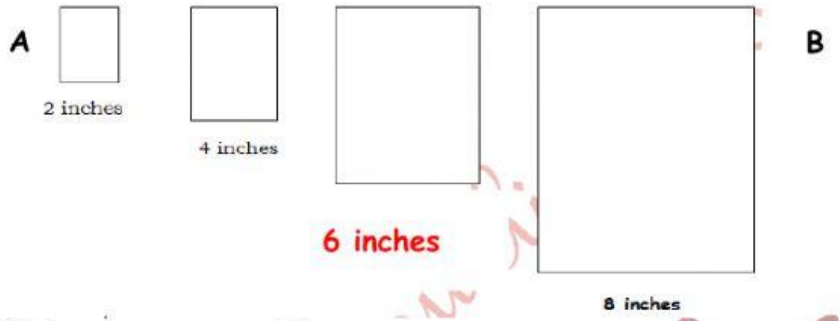
(viii) Ali can type at a speed of 25 words per minute. How many words he can type in one hour?

(a) 1300 (b) 1200 (c) 1500 (d) 1475

4. **If all of the following rectangle's width to length ratio is 2 to 3.**

(*Hint: The width is the shorter side; the length is the longer side.)*

(i). For every _____ inches in the width, there are _____ inches in the length.



(ii) A= _____, B= _____

4. **Choose the correct solution for each of following .**

You type 200 words in 5 minutes. Wareesha types 180 words in 6 minutes.

a. How many words you type in 1 minute?

200÷ 5 = 40 words /minute	200 × 5 = 1000 words /minute

b. How many words does Wareesha type in a minute?

6÷ 240 = 1/40 words /minute	180÷ 6 = 30 words /minute

c. Who types the fastest?

Wareesha	You

5. If P: Q= $\frac{1}{2} : \frac{3}{4}$, R: Q= 5 : 3,find P:Q:R, by placing the solution in correct order & fill in the boxes at the end .(Simplification is not required)

Step:1
Step 2:
Step 3:
Step : 4
Step 5 :

- P:Q= $1\times 2 : 3\times 1$
- P: Q= $\frac{1}{2}\times 4 : \frac{3}{4}\times 4$
- P: Q = 2:3
- Q:R = 3: 5
- Finding continued ratio

P :Q :R
: 3
: :
: :

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