

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

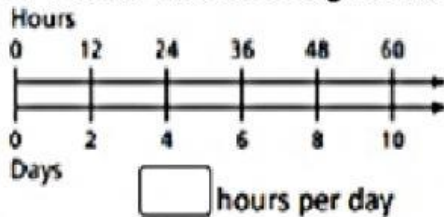
Rs30, 4, 18, 9, Rs 7.5, 3

(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 35 minutes to bike 7 miles.

(a) 1 mile / 35 minutes

(c) 35 miles / minute

(b) 1 mile / 5 minutes

(d) 1 mile / 7 minutes

(iii) The second element in most simplified form 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

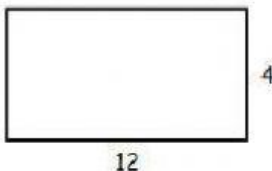
(b) Rs 10

(c) 6

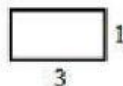
(d) Rs 40

(v)\* Examine the figures below.

Original Rectangle



Scaled Rectangle



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

(a)  $\frac{1}{4}$

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

(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

(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

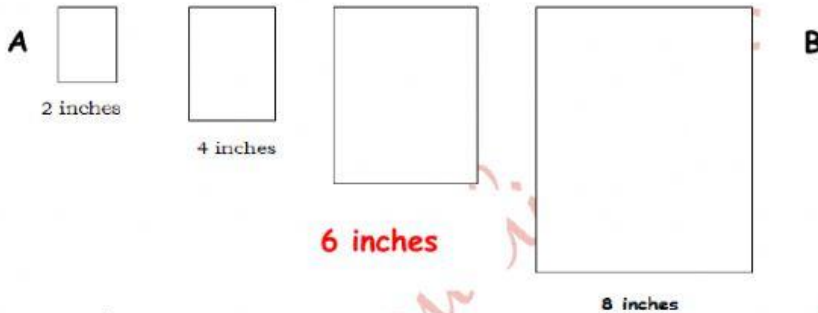
(viii) Ali can type at a speed of 25 words per minute. How many words he can type in one hour?

- (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?

$$200 \div 5 \\ = 40 \text{ words /minute}$$

$$200 \times 5 \\ = 1000 \text{ words /minute}$$

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

$$6 \div 240 \\ = 1/40 \text{ words /minute}$$

$$180 \div 6 \\ = 30 \text{ words /minute}$$

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
<input type="text"/>	3	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>