

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

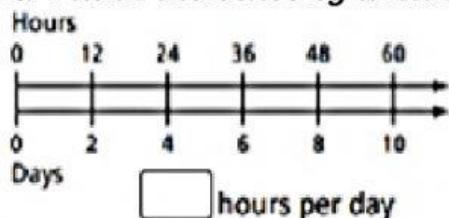
Rs30, 4, 18, 9, Rs 7.5, 3

- (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 question, you have _____ minutes.

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



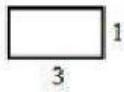
3. Choose the correct answer for each of the following

(v)* Examine the figures below.

Original Rectangle



Scaled Rectangle



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

(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

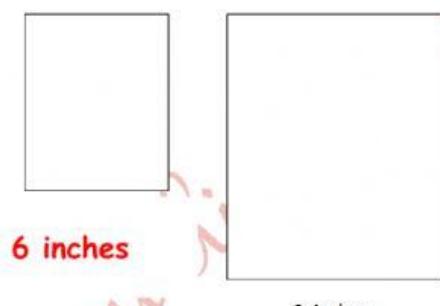
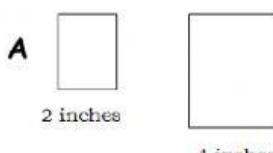
(viii) Ali can type at a speed of 25 words per minute. How many words he can type in one hour?

- (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

