

Q1: The ingredients to make one jug of Honey and Lemon juice are:



Fill in the blanks accordingly.

- For every 2 cups of lemon juice, you need _____ cups of water.
- For every 3 cups of honey, _____ cups of lemon juice is required.
- Mr.X has been asked to make 50 jugs of this drink. How much of each ingredient would he need?
Honey _____, lemon juice _____, water _____
- Ratio of amount of lemon juice to amount of honey is _____.
- Ratio of lemon juice to water in simplified form is _____.

Q2: Choose the best option:

- The first element in the most simplified form of ratio $1.5 : 3/10$ is
a) 10 b) 1 c) 5 d) 3
- If we divide Rs.210 between two persons A and B in the ratio 3:4 then share of person B is
a) Rs.90 b) Rs.120 c) Rs.70 d) Rs.60
- Ali pays Rs.240 for parking his car in shopping mall for 2 hours. How many charges he pay for 1 minute?
a) Rs.2 b) Rs.4 c)Rs.6 d) Rs.8
- If the price of book is increased from Rs.140 to Rs.210 then ratio in which price increased is:
a) 2:3 b) 3:2 c) 3:4 d) 4:3
- After increasing 72cm by the ratio 9:8 the new length will be:
a) 64cm b) 81cm c) 49cm d) 100cm



Q3: An aero plane is flying to Spain with 390 adults and children. The adults and children are in ratio 9:4.

a) How many adults are on aero plane?

b) How many Children are on aero plane?



Q4:



Hi, I am a triangle. Will you help me to find the following?

If my perimeter is 240cm and ratio among my sides is 4:3:5 then my largest side is _____ cm long.

If the ratio among my angles is 2:3:4 then measurement of my smallest angle is _____.

Q5: Ahmed covered 8km distance in 1 hour. Complete the following table accordingly.

Time (hours)	1	2		
Distance (km)	8		32	72

Q6: Choose correct solution for each of the following.

Ali types 240 words in 12 minutes. Saad types 150 words in 5 minutes.

a) How many words does Ali type in a minute?

Option 1:
 $12 \div 240$
 $= \frac{1}{20}$ words/min

Option 2:
 $240 \div 12$
 $= 20$ words/min

b) How many words does Saad type in 1 minute?

Option 1:
 $150 \div 5$
 $= 30$ words/min

Option 2:
 150×5
 $= 750$ words/min

c) Who types faster?

Ali

Saad

Q7: If $A : B = \frac{1}{3} : \frac{5}{6}$ and $C : B = 2 : 5$ find A:B:C by placing the situation in correct order and fill in the boxes at the end. (Simplification is not required)

Step 1: _____

Step 2: _____

Step 3: _____

Step 4: _____

Step 5: _____

- $A : B = 1 \times 2 : 5 \times 1$
- $A : B = \frac{1}{3} \times 6 : \frac{5}{6} \times 6$
- $A : B = 2 : 5$
- $B : C = 5 : 2$
- find Continued ratio

A : B : C

____ : 5

_____ : _____

_____ : _____ : _____

Q8: Match the Column.

Column A

i) Ratio equivalent to 3:7

ii) Ratio of 1.5m to 10cm

iii) In a class, fraction of boys = $\frac{6}{17}$ and fraction of girls = $\frac{11}{17}$ then number of girls : number of boys.

Column B

15 : 1

11 : 6

9 : 21

Q9: In a school trip with 286 students, the ratio of boys and girls is 8:5. Then number of boys are :

110

176

150

135



Q10: Which of the four ratios is odd one out?

1:3:2

9:27:18

7:21:16

$\frac{1}{2} : 1.5 : 1$

