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

1 cup of honey

2 cups of Lemon juice

8 cups of water.

Fill in the blanks accordingly.

i. For every 2 cups of lemon juice, you need _____ cups of water.

ii. For every 3 cups of honey, _____ cups of lemon juice is required.

iii. Mr.X has been asked to make 50 jugs of this drink. How much of each ingredient would he need?

Honey _____ , lemon juice _____ , water _____

iv. Ratio of amount of lemon juice to amount of honey is _____ .

v. Ratio of lemon juice to water in simplified form is _____.

Q2: Choose the best option:

i. The first element in the most simplified form of ratio 1.5 : 3/10 is

a) 10 b) 1 c) 5 d) 3

ii. 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

iii. 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

iv. 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

v. After increasing 72cm by the ratio 9:8 the new length will be:

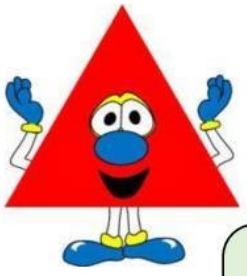
a) 64cm b) 81cm c) 49cm d) 100cm

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

LIVEWORKSHEETS

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:	Option 2:
12 ÷ 240 = $\frac{1}{20}$ words/min	240 ÷ 12 =20 words/min

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

Option 1:	Option 2:
150 ÷ 5 =30 words/min	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 × 2 : 5 × 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	*Column B*
i) Ratio equivalent to 3:7	15 : 1
ii) Ratio of 1.5m to 10cm	11 : 6
iii) In a class, fraction of boys=$\frac{6}{17}$ and fraction of girls= $\frac{11}{17}$ then number of girls : number of boys.	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

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

LIVEWORKSHEETS

LIVEWORKSHEETS