

1) Match the following and write the correct letter in the answer column:-

Column 1	Column 2	Answer
1) Reciprocal of $\frac{2}{3}$	0.047	1) -
2) $0.03 \times 0.9$	516	2) -
3) % of 25	$\frac{1}{3}$	3) -
4) $4.7 \div 100$	48.12	4) -
5) 0.92 as a percent	0.027	5) -
6) Subtract $\frac{1}{7}$ from $\frac{3}{4}$	20	6) -
7) Decrease of 40% in 860	$\frac{3}{2}$	7) -
8) $120.3 \div 2.5$	$\frac{17}{28}$	8) -
9) This fraction of a day is equal to 8 hours	10	9) -
10) $\frac{40}{200}$ in form of percentage	92	10) -

2) Solve the following questions:

- 1)  $\frac{7}{9} + \frac{8}{15}$
- 2)  $\frac{2}{8} \div \frac{9}{16}$
- 3)  $3.77 \times 2.8$
- 4)  $31.7 \div 5.1$

3) Read, understand and interpret the following real-life application problem and then solve:

a) Teachers of Grade 6 plan to meet to bid farewell to one of their colleague. They plan to go to a restaurant named Barbeque Nation. Out of 11 teachers, 2 were not able to join due to some personal reasons. After enjoying the delicious delicacies, they were charged Rs.3600 (excluding taxes). Note: The member who was given the farewell was not asked to pay for the bill amount.

i) If 5% of the bill amount was charged as GST, what was the total amount to be paid?

ii) Due to happy hours scheme of the restaurant, a special discount of 10% on the final amount of the bill (including taxes) was given. How much were the colleagues charged after the discount was made available to them?

iii) They decided to split the bill as per the number of colleagues present for the farewell. What was the amount to be paid by each colleague?

**b)** Your mother mixed  $3\frac{1}{2}$  kg of apples,  $4\frac{1}{4}$  kg of grapes and  $2\frac{1}{4}$  kg of banana and  $\frac{1}{5}$  kg of pomegranate for a fruit salad.

i) What is the total quantity of the salad prepared by her?

ii) She kept aside  $2\frac{1}{2}$  kg of salad for today. How much quantity is left to be consumed for the next day?

iii) After setting aside  $2\frac{1}{2}$  kg of salad for today, she divided the rest of the salad equally into 6 containers. What is the weight of salad in one container?

iv) If  $1\frac{1}{4}$  container of salad serves one person at a time, what is the total number of containers of salad she needs to prepare to serve 14 people?

Sources:- <https://www.mathusee.com/>      <https://schools.aglasem.co>