

Addition and Subtraction of Fractions

1. Add the following:-

A. $\frac{6}{7} + \frac{3}{8}$

B. $3\frac{4}{5} + 7\frac{2}{9}$

C. $8\frac{3}{11} + 10\frac{2}{6}$

D. $\frac{6}{11} + \frac{2}{7} + \frac{5}{13}$

2. Subtract the following:-

A. $\frac{3}{11} - \frac{4}{15}$

B. $6\frac{4}{9} - 1\frac{7}{12}$

C. $7\frac{1}{2} - 3\frac{5}{8}$

D. $\frac{39}{40} - \frac{48}{20}$

3. Simplify the following:-

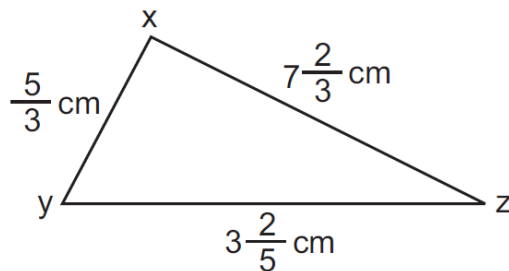
A. $8\frac{5}{6} - 2\frac{2}{7} + 1\frac{6}{11}$

B. $2\frac{1}{8} + 1\frac{5}{8} - 2\frac{4}{8}$

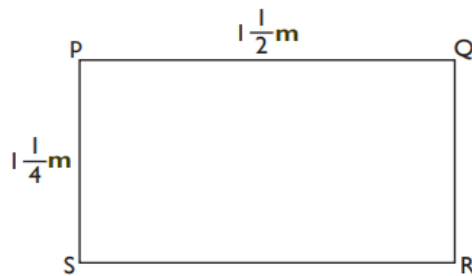
C. $6\frac{6}{7} + 5\frac{5}{14} - 2\frac{4}{14}$

4. Palak purchased $5\frac{1}{2}$ kg pears and $3\frac{9}{10}$ kg apples. What is the total weight of fruits purchased by her?

5. Muskan studies $6\frac{1}{8}$ hours daily. She devotes $3\frac{7}{16}$ hours of her time for Science and Mathematics. How much time she devotes for other subjects?
6. A rectangular sheet of a paper $12\frac{1}{4}$ cm long and $16\frac{1}{5}$ cm wide. Find the perimeter of the sheet.
7. Find the perimeter of the $\triangle XYZ$ shown in the given figure.



8. Find the perimeter of the rectangle PQRS shown in the given figure.



9. Rahul wants to put a picture in a frame, the picture is $6\frac{4}{5}$ cm wide. To fit in the frame the picture cannot be more than $5\frac{7}{8}$ cm wide. How much should the picture be trimmed?
10. A piece of rope $7\frac{1}{3}$ m long is cut into two pieces. One piece is $2\frac{2}{5}$ m long. How long is the other piece?
11. What should be added to $\frac{15}{21}$ to make it $\frac{13}{84}$?
12. A cup is $\frac{1}{4}$ full of tea. What part of the tea is still to be filled by tea to make it full?

13. Katrina bought $5\frac{1}{4}$ m of lace. She used $3\frac{3}{8}$ m of lace for cushion covers. How much lace is left with her?

14. Sanchit finished colouring a picture in $2\frac{9}{13}$ hours. Kanchan finished colouring the same picture in $2\frac{4}{26}$ hours. Who worked longer? By what fraction was it longer?

15. Kanika ate $\frac{3}{8}$ of a chocolate and the remaining chocolate was eaten by her sister Arushi. How much part of the chocolate did Arushi eat? Who had the large share and by how much?

16. By how much is $\frac{20}{75}$ greater than $\frac{33}{75}$?