

Solve the following linear equations.

3. $x + 7 - \frac{8x}{3} = \frac{17}{6} - \frac{5x}{2}$

6. $m - \frac{m-1}{2} = 1 - \frac{m-2}{3}$

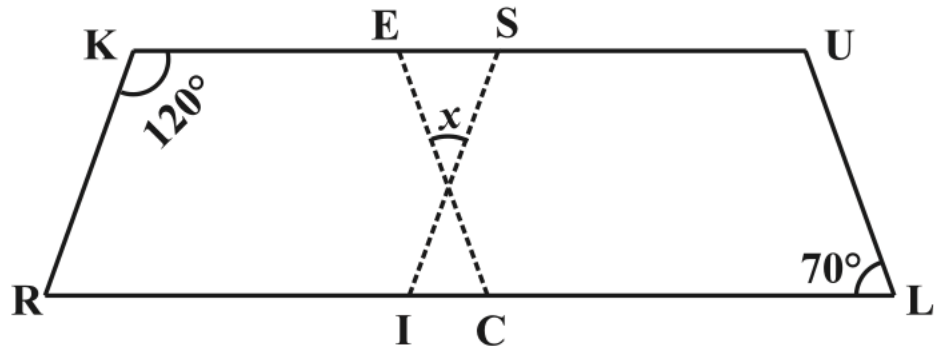
$$10. \quad 0.25(4f - 3) = 0.05(10f - 9)$$

10. Two persons could fit new windows in a house in 3 days.

(i) One of the persons fell ill before the work started. How long would the job take now?

(ii) How many persons would be needed to fit the windows in one day?

9.



In the above figure both RISK and CLUE are parallelograms. Find the value of x .

4. Factorise.

(i) $a^4 - b^4$

(ii) $p^4 - 81$

Example 11: A rectangular piece of paper $11\text{ cm} \times 4\text{ cm}$ is folded without overlapping to make a cylinder of height 4 cm . Find the volume of the cylinder.