## UNIT 14: ALGEBRA



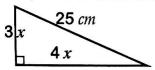
## Forming and solving equations Example

The perimeter of a rectangle is 24 cm. Find x. L + W + L + WPerimeter cm x + 4 + x + 424 cm x Collect like terms x + x + 4 + 424 cm 2x + 824 cm Subtract 8 from each side 24 - 82x + 8 - 8Divide both sides by 2 8 cm x

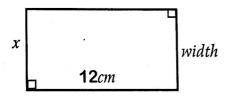
## Exercise 14:32

Find the values of the unknown letter.

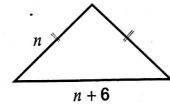
1. The perimeter of the triangle below is **60** *cm*. Find *x*.



2. The perimeter of the rectangle below is **34** *cm*. Find the *width* if the length is **12** *cm*.

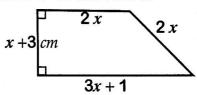


3. The perimeter of an isosceles triangle below is 36 cm. Find n.

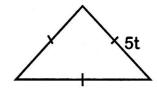


4. The perimeter of the square of side *p cm* is **28** *cm*. Find *p*.

5. The perimeter of the trapezium below is 44 *cm*. Find *x*.



6. The perimeter of the triangle below is **75** *cm*. Find *t*.



7. The perimeter of the square below is **24** *cm*. Find *n* in *cm*.



8. The perimeter of a rectangle is 40 cm. Its length is x + 4 cm and the width is x cm. Find x.