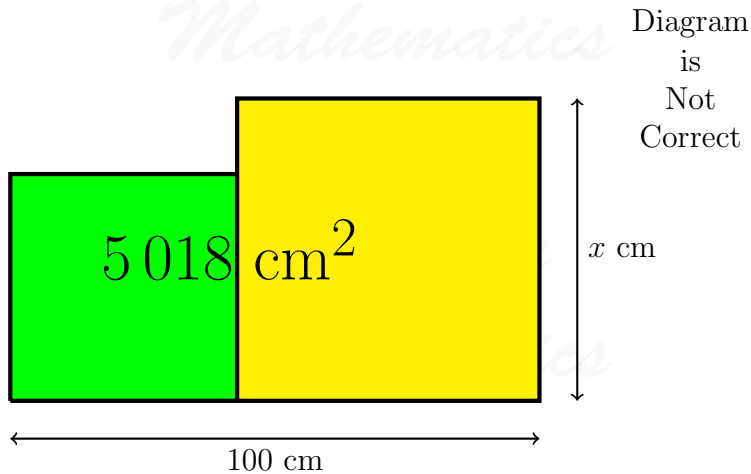


Dr Oliver Mathematics
Worked Examples
Length 3

From: PreMath 11 December 2023

- Two squares — one green (the left-hand side) and one yellow (the right-hand side) — are lying, side-by-side, on a given line.



- The horizontal length of both squares is 100 cm.
- The right-hand square has a height of x cm.
- The area of the yellow square is greater than the area of the green square.
- The total amount of area in both squares is 5018 cm^2 .

Find x .