

Rechteck & Quadrat – Zusammengesetzte Flächen

Arbeitsblatt

Berechne bei folgenden Flächen Umfang (U) und Flächeninhalt (A)!

The figure shows four composite shapes, each within a dashed blue border:

- Shape 1:** A large rectangle with a top width of 28 m and a left height of 25 m. A smaller rectangle with a width of 16 m and a height of 18 m is cut out from the bottom-left corner. The remaining area is labeled A_1 . The perimeter of the remaining shape is labeled X. A small square with side length 18 m is shown to the right of the cut-out, labeled A_2 .
- Shape 2:** A large rectangle with a top width of 28 m and a right height of 18 m. Three smaller rectangles are cut out: one on the left with width 7 m and height 18 m (labeled A_2), one at the bottom-left with width 7 m and height 7 m (labeled A_3), and one at the bottom-right with width 7 m and height 7 m (labeled A_3). The remaining area is labeled A_1 . The perimeter of the remaining shape is labeled Y.
- Shape 3:** A large rectangle with a top width of 90 m and a right height of 32 m. Two smaller rectangles, each with a width of 32 m and a height of 32 m, are cut out from the bottom-left and bottom-right corners. The remaining area is labeled A_1 . The perimeter of the remaining shape is labeled X. The cut-out rectangles are labeled A_2 .
- Shape 4:** A large rectangle with a top width of 70 m and a right height of 15 m. Three smaller rectangles are cut out: one at the bottom-left with width 15 m and height 15 m (labeled A_3), one at the bottom-right with width 20 m and height 15 m (labeled A_2), and one at the top-right with width 15 m and height 20 m (labeled A_2). The remaining area is labeled A_1 . The perimeter of the remaining shape is labeled X. The cut-out rectangles are labeled A_2 and A_3 .