

PIAZZA ARMERINA, MOSAIC

The Villa Romana del Casale in Piazza Armerina is one of the most important exemplars of Roman residence. It is famous for an exceptional beauty of its architectonic and decorative elements and for its meticulous mosaics that made a UNESCO World Heritage Site in 1997.

Here below, a small area in a mosaic of “Villa del Casale”, needs to be restore. This piece of mosaic has a triangolar shape, with 5 m at the base and 10 m high.

1. How many square meters does the archaeologist have to cover by a cloth ?
2. How much will be the cloth if its cost per meter square is 11 €?



1.

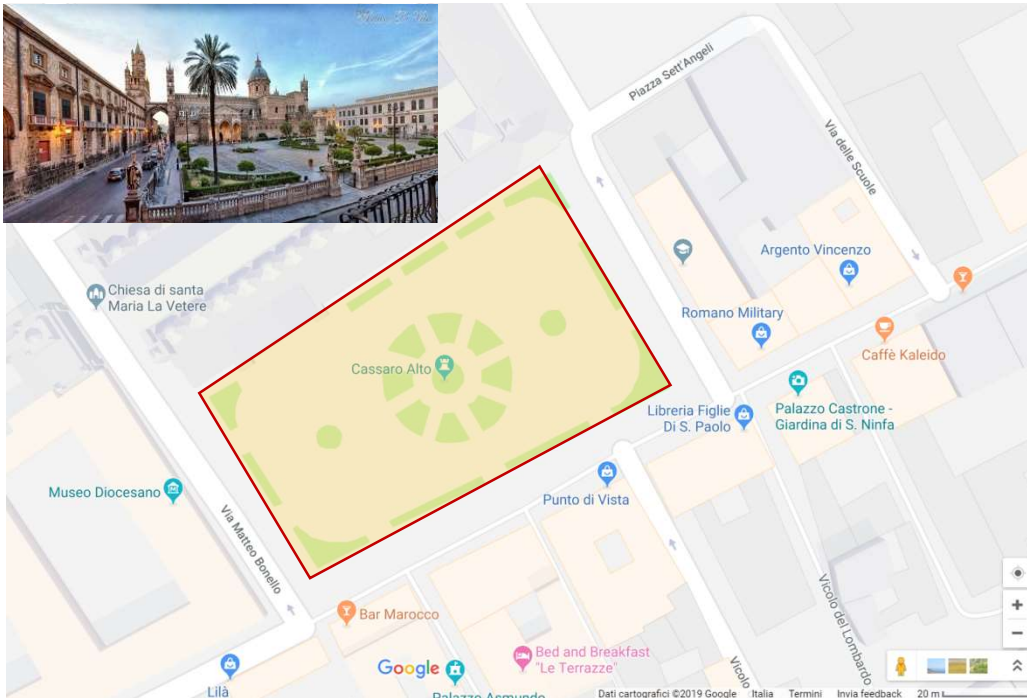
2.

CATHEDRAL and DUOMO, HOW MANY SQUARE METERS?

The square in front of the Cathedral of Palermo has an isosceles trapezoid shape, and its size are: 5,5 cm; 5,5 cm; 3,2 cm e 3,5 cm, in a 1 : 2.000 scale model. Even the square in front of the Duomo of Monreale has a similar shape and its size are: 1,8 cm; 1,8 cm; 1,2 cm e 1,5 cm in the same scale model.

Which is the difference in square meters between the two places?

Cattedrale di Palermo



Duomo di Monreale

