



Activities for a Genius - Answers

Life and Times

1. Current year minus 1452
2. The horse

Father of Flight

1. The helicopter
2. Five: Flapping wing, flying machine, vertical flying machine, glider, hang-glider
3. One: Aerial screw
4. Wing study
5. The anemoscope shows the direction of wind. Its centre of gravity is directly over the pivotal axis, so the pointer can move freely on its axis, but the surface area is unequally divided. The side with the larger surface area is blown away from the wind direction, so the smaller side (with pointers) pivots to face the wind direction.

Hydraulic & Aquatic

Illustration should reflect the photo below the drawing area.

Civil Machines

1. Self-propelled car (Carro ad Autotrazione)
2. *Connect-the-dots activity*

Physics Machines

Word puzzle activity

Musical and Optical

1. Ten
2. Spotlight/projector (proiettore)
3. *Genius' choice*

Renaissance Art

1. Nine: The Annunciation, Ginerva di Benci, Litta Madonna, Madonna of the Carnation, Virgin and Child with St. Anne, Adoration of the Magi, St. Jerome in the Wilderness, Virgin of the Rocks (Lourve), Virgin of the Rocks (London).
2. *Genius' choice*

Anatomical Studies

Amount subject to variation

The Last Supper

1. 1495, 1498
2. Thirteen
3. 460cm by 880cm (181in by 346in)

Military Engineering

1. Thirty
2. Four wheels, barrels dependant on model, eight operators plus one commander

The Vitruvian Man

1. The Golden Ratio
2. Examples include snail shells, flowers, plants, the human face

3. The Vitruvian Man, The Mona Lisa

Secrets of Mona Lisa

1. 240-megapixel camera

2. Twenty-five

3. 1956, Bolivia

Leonardo's Code

Spells 'RENAISSANCE'