

2019WMI Mini Math Creative Competition

Attachment

Choose one theme

1. Math game

2. Solve math problems by coding (SCRATCH)

Use one of the examples

Example 1.

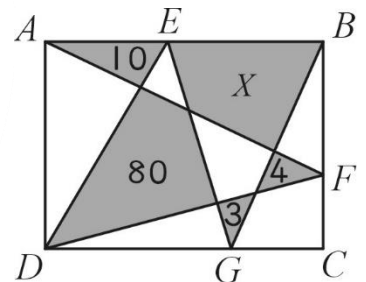
There are 50 students in a classroom. We know that the class average test score is 80.2 points, the average test score of this class's male students is 83 points, and the average test score of female students is 78. How many male students are in the class?

Example 2.

There is a two digit number where it has a remainder of 1 when it is divided by 5, remainder of 2 when divided by 6, and remainder of 2 when divided by 7. What is the sum of this number's two digits?

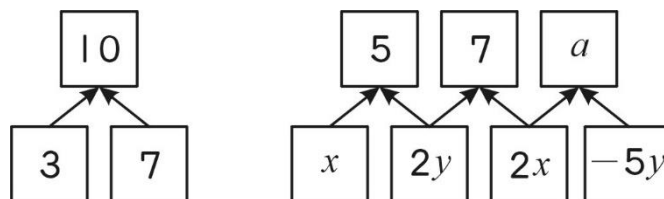
Example 3.

As shown in the figure on the right, rectangle ABCD has 5 shaded regions with areas of 10, 80, 3, 4 and X. Find the value for X.



Example 4.

Follow the figure below, the number on top is the sum of two numbers below it. Find a.



3. Mathematician

Introduce his life, and his contribution to the history of mathematics.

Use one of the examples

Example 1.

Archimedes, Greece BC 287 – 212

Example 2.

Carl Friedrich Gauss, Germany AD1777 – 1855

Example 3.

Leonhard Euler, Swiss AD 1707 – 1783

Example 4.

Girolamo Cardano, Italy AD 1501 – 1776