



Timester Challenge

Simultaneous Equations - Elimination



Solve for x and y

$$\begin{aligned}5x + 3y &= 27 \\ x + 3y &= 15\end{aligned}$$

Bronze 

Solve for x and y

$$\begin{aligned}2x + 5y &= 24 \\ 4x + 3y &= 20\end{aligned}$$

Silver 

Solve for x and y

$$\begin{aligned}5x - 7y &= 27 \\ 3x - 4y &= 16\end{aligned}$$

Gold 

Solve for x and y

$$\begin{aligned}8x + 6y &= 130 \\ 5x - 6y &= 13\end{aligned}$$

Bronze 

Solve for x and y

$$\begin{aligned}x - 2y &= -4 \\ 3x + y &= 9\end{aligned}$$

Silver 

The difference between two numbers is 5.
Twice one number and 4 times another
number gives 34.
What are the two numbers?

Gold 