

## General Questions

What is your level of knowledge of how a CPU functions?

1      2      (3)      4      5

None    Slight    Some    A lot    Full

Please briefly describe how an equation (for example, "add") is completed by the CPU:

Data is represented in binary  
Two numbers are then added together  
Output as new binary representation  
↑  
Really Bad explanation!

What is your level of knowledge of register machine simulators?

1      2      (3)      4      5

None    Slight    Some    A lot    Full

Have you used a register machine simulator?

(Yes)

No

If yes, please state the name, and any good/bad points about the simulator:

SIGMA 16 + Simple to use & understand  
- Doesn't encompass all facilities/functions of real CPU.

Please briefly describe what a register machine simulator is:

A CPU simulated by software on an actual CPU (virtual machine)

## Application Specific

Do you think this application conveys the message of a register machine?

Yes, the visualisation of the process is a much better way to understand the concepts.

Do you think the steps required to build a program are clear?

Yes, the colour coding helps to clearly differentiate the steps

Would you feel confident enough to try and build an "add" program?

Yes, though with trial and error.

What do you like about this application?

Simplicity for a difficult to grasp concept

What do you not like about this application?

No

What extra functionality should be incorporated into this application?

Nothing that hasn't already been considered



Ch

What changes would you make to the current functionality?

Don't know if sound cues  
might help?

What changes would you make to the current design?

Colour code arrows, as was discussed.

Do you feel your knowledge of a register machine has increased?

Yes!

Do you think this is an appropriate level for naïve users, and do you think it will increase their knowledge?

Definitely, it demonstrates the process at a  
pace that should be easy to follow

What would you call this application?

Register (word that alliterates)