**A picture containing drawing

Description automatically generatedFunction Machines Extension**

Cut out each of the following and stick it in your book. Draw a function machine to represent each question then use it to work out the original number.

a) I think of a number. I double it, add 50 and my answer is 74. What was my number?

b) I think of a number. I add 16, subtract 30 and my answer is 36. What was my number?

c) I think of a number. I subtract 10 and add 5. I then double it and my answer is 50. What was my number?

d) I think of a number. I add 3 and double it. Then I half it and my answer is 6. What was my number?

e) I think of a number. I divide by 2, add 98 and my answer is 100. What was my number?

f) I think of a number. I add 20, double it and subtract 25. My answer is 75. What was my number?

g) I think of a number. I half it and subtract 5. The answer is 25. What was my number?

h) I think of a number. I double it, add 10, and then subtract 4. My answer is 40. What was my number?

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