1. Look at the function machine below:

In ➡ [ ] ➡ [**+6**] ➡ Out

If **14 goes in** the function machine above and **13 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

2. Look at the function machine below:

In ➡ [ ] ➡ [**-6**] ➡ Out

If **3 goes in** the function machine above and **3 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

3. Look at the function machine below:

In ➡ [**÷ 3**] ➡ [ ] ➡ Out

If **18 goes in** the function machine above and **13 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

4. Look at the function machine below:

In ➡ [**x 7**] ➡ [ ] ➡ Out

If **4 goes in** the function machine above and **4 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

5. Look at the function machine below:

In ➡️ [___] ➡️ [**+3**] ➡️ Out

If **16 goes in** the function machine above and **7 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

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6. Look at the function machine below:

In ➡️ [___] ➡️ [**-6**] ➡️ Out

If **49 goes in** the function machine above and **92 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

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7. Look at the function machine below:

In ➡️ [**÷ 6**] ➡️ [___] ➡️ Out

If **66 goes in** the function machine above and **121 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

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8. Look at the function machine below:

In ➡️ [**x 9**] ➡️ [___] ➡️ Out

If **7 goes in** the function machine above and **38 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

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9. Look at the function machine below:

In ➡️ [ ] ➡️ [+11] ➡️ Out

If **13 goes in** the function machine above and **50 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

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10. Look at the function machine below:

In ➡️ [ ] ➡️ [-8] ➡️ Out

If **56 goes in** the function machine above and **-1 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

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11. Look at the function machine below:

In ➡️ [÷ 9] ➡️ [ ] ➡️ Out

If **108 goes in** the function machine above and **60 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

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12. Look at the function machine below:

In ➡️ [x 4] ➡️ [ ] ➡️ Out

If **27 goes in** the function machine above and **12 comes out** what does the missing function need to be? Fill in the gap in the function machine above with the correct function.

Answers

1. -7 or ÷2
2. +6 or x3
3. +7
4. -24 or ÷7
5. -12 or ÷4
6. +49 or x2
7. +110 or x11
8. -25
9. +26 or x3
10. -49 or ÷8
11. +48 or x5
12. -96 or ÷9