

**Determine which number sentence best matches the function machine.****Answers**

1)

in	out
33	45
12	24
42	54
41	53
25	37

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 12$ B. $Q - 12$
C. $Q \times 12$ D. $Q \div 12$

2)

in	out
52	42
57	47
35	25
48	38
47	37

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 10$ B. $Q - 10$
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3)

in	out
20	29
21	30
43	52
42	51
23	32

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 9$ B. $Q - 9$
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4)

in	out
25	11
31	17
60	46
45	31
39	25

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 14$ B. $Q - 14$
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5)

in	out
20	28
45	53
40	48
39	47
34	42

If each input is 'Q' which rule could the function machine be using?

- A. $Q + 8$ B. $Q - 8$
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6)

in	out
31	40
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14	23
49	58
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7)

in	out
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1. **A**2. **B**3. **A**4. **B**5. **A**6. **A**7. **A**8. **B**9. **B**