

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

1)

in	out
17	26
29	38
33	42
13	22
45	54

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

- A. $Q + 9$ B. $Q - 9$
C. $Q \times 9$ D. $Q \div 9$

2)

in	out
29	15
32	18
25	11
36	22
47	33

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

- A. $Q + 14$ B. $Q - 14$
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3)

in	out
20	14
24	18
46	40
43	37
22	16

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

- A. $Q + 6$ B. $Q - 6$
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4)

in	out
19	31
43	55
40	52
33	45
48	60

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

- A. $Q + 12$ B. $Q - 12$
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5)

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

- A. $Q + 15$ B. $Q - 15$
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6)

in	out
29	22
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52	45
57	50
30	23

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

- A. $Q + 7$ B. $Q - 7$
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7)

in	out
40	30
28	18
39	29
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25	15

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

- A. $Q + 10$ B. $Q - 10$
C. $Q \times 10$ D. $Q \div 10$

8)

in	out
22	28
35	41
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If each input is 'Q' which rule could the function machine be using?

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