



Determine which number sentence best matches the function machine.

**Answers**

1)

in	out
33	42
27	36
20	29
16	25
32	41

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
18	23
40	45
47	52
24	29
25	30

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

- A.  $Q + 5$       B.  $Q - 5$   
 C.  $Q \times 5$       D.  $Q \div 5$

3)

in	out
48	57
10	19
38	47
44	53
31	40

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

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

4)

in	out
13	20
23	30
14	21
25	32
28	35

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

- A.  $Q + 7$       B.  $Q - 7$   
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5)

in	out
37	30
51	44
33	26
29	22
41	34

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

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6)

in	out
36	26
54	44
53	43
26	16
35	25

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

- A.  $Q + 10$       B.  $Q - 10$   
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7)

in	out
54	39
46	31
63	48
29	14
57	42

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

- A.  $Q + 15$       B.  $Q - 15$   
 C.  $Q \times 15$       D.  $Q \div 15$

8)

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49	41
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If each input is 'Q' which rule could the function machine be using?

- A.  $Q + 8$       B.  $Q - 8$   
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1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_  
 9. \_\_\_\_\_



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