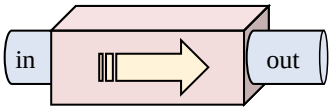
Function Machines (Add & Subtract)

Name:

Determine which rule the function machine is using.

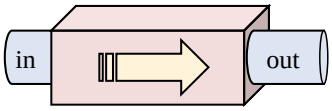
1)

16 

22

A. Add 11
B. Add 7
C. Add 6
D. Add 5

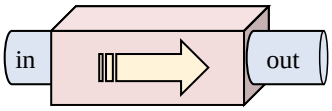
2)

7 

24

A. Add 17
B. Add 18
C. Subtract 14
D. Subtract 18

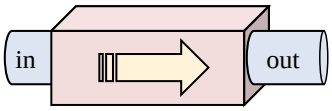
3)

21 

35

A. Subtract 11
B. Add 18
C. Add 14
D. Subtract 15

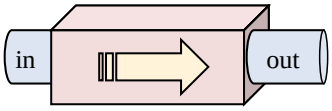
4)

13 

30

A. Add 18
B. Add 21
C. Add 17
D. Subtract 19

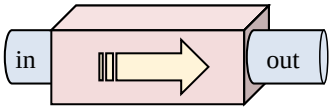
5)

23 

30

A. Subtract 11
B. Add 7
C. Subtract 3
D. Add 4

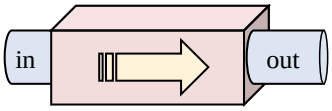
6)

19 

32

A. Subtract 13
B. Add 13
C. Add 17
D. Subtract 8

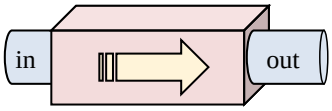
7)

38 

21

A. Subtract 18
B. Subtract 17
C. Add 13
D. Subtract 14

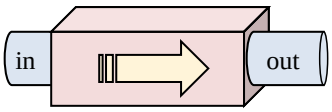
8)

23 

15

A. Subtract 9
B. Subtract 11
C. Subtract 8
D. Add 9

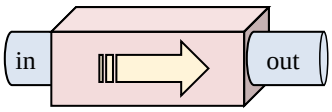
9)

32 

17

A. Subtract 11
B. Subtract 15
C. Add 10
D. Subtract 20

10)

31 

7

A. Subtract 19
B. Subtract 25
C. Subtract 24
D. Add 22

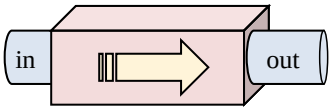
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

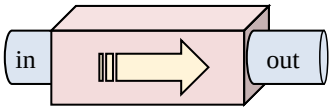
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 16 

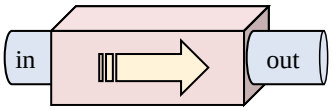
22

A. Add 11
B. Add 7
C. Add 6
D. Add 5

2) 7 

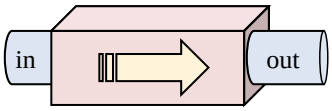
24

A. Add 17
B. Add 18
C. Subtract 14
D. Subtract 18

3) 21 

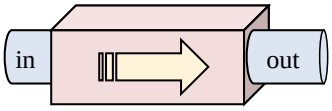
35

A. Subtract 11
B. Add 18
C. Add 14
D. Subtract 15

4) 13 

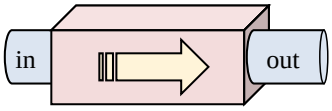
30

A. Add 18
B. Add 21
C. Add 17
D. Subtract 19

5) 23 

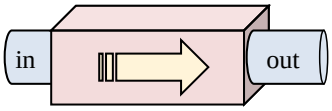
30

A. Subtract 11
B. Add 7
C. Subtract 3
D. Add 4

6) 19 

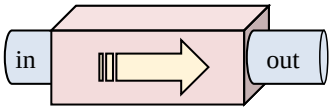
32

A. Subtract 13
B. Add 13
C. Add 17
D. Subtract 8

7) 38 

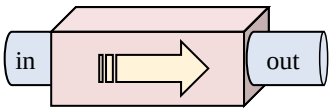
21

A. Subtract 18
B. Subtract 17
C. Add 13
D. Subtract 14

8) 23 

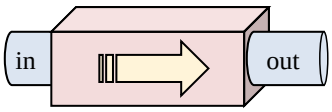
15

A. Subtract 9
B. Subtract 11
C. Subtract 8
D. Add 9

9) 32 

17

A. Subtract 11
B. Subtract 15
C. Add 10
D. Subtract 20

10) 31 

7

A. Subtract 19
B. Subtract 25
C. Subtract 24
D. Add 22

Answers

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

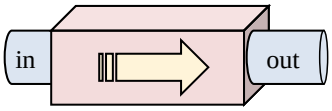
1-10	90	80	70	60	50	40	30	20	10	0

Function Machines (Add & Subtract)

Name:

Determine which rule the function machine is using.

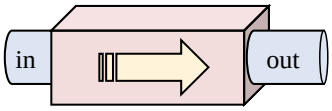
1)

20 

34

A. Subtract 13
B. Add 14
C. Add 12
D. Add 9

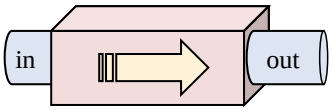
2)

14 

47

A. Add 32
B. Add 33
C. Subtract 35
D. Add 37

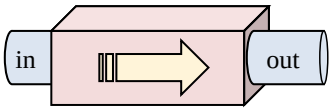
3)

12 

39

A. Add 31
B. Add 27
C. Add 26
D. Subtract 24

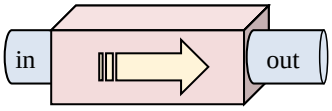
4)

10 

40

A. Subtract 28
B. Subtract 31
C. Add 26
D. Add 30

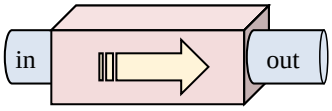
5)

42 

17

A. Subtract 29
B. Add 24
C. Subtract 25
D. Add 22

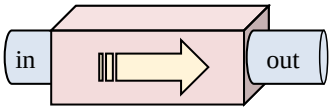
6)

21 

45

A. Add 24
B. Add 27
C. Subtract 29
D. Add 25

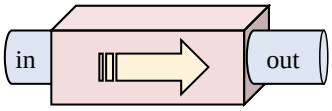
7)

6 

18

A. Add 9
B. Add 12
C. Subtract 9
D. Add 14

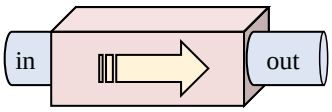
8)

30 

24

A. Subtract 6
B. Add 5
C. Subtract 11
D. Subtract 10

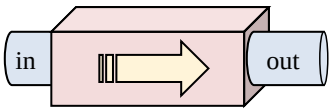
9)

47 

29

A. Add 22
B. Subtract 18
C. Subtract 21
D. Subtract 19

10)

30 

25

A. Add 8
B. Add 10
C. Subtract 7
D. Subtract 5

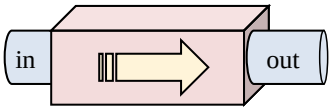
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

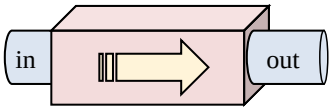
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 20 

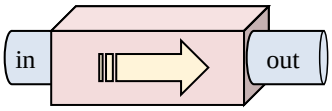
34

A. Subtract 13
B. Add 14
C. Add 12
D. Add 9

2) 14 

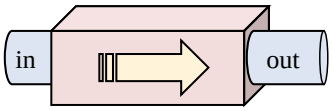
47

A. Add 32
B. Add 33
C. Subtract 35
D. Add 37

3) 12 

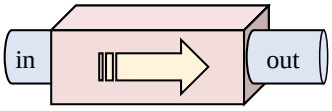
39

A. Add 31
B. Add 27
C. Add 26
D. Subtract 24

4) 10 

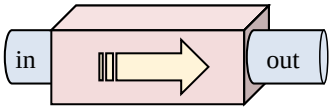
40

A. Subtract 28
B. Subtract 31
C. Add 26
D. Add 30

5) 42 

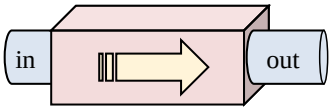
17

A. Subtract 29
B. Add 24
C. Subtract 25
D. Add 22

6) 21 

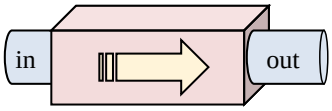
45

A. Add 24
B. Add 27
C. Subtract 29
D. Add 25

7) 6 

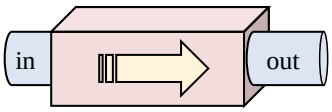
18

A. Add 9
B. Add 12
C. Subtract 9
D. Add 14

8) 30 

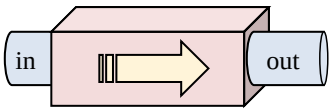
24

A. Subtract 6
B. Add 5
C. Subtract 11
D. Subtract 10

9) 47 

29

A. Add 22
B. Subtract 18
C. Subtract 21
D. Subtract 19

10) 30 

25

A. Add 8
B. Add 10
C. Subtract 7
D. Subtract 5

Answers

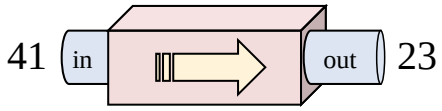
1. B
2. B
3. B
4. D
5. C
6. A
7. B
8. A
9. B
10. D

1-10	90	80	70	60	50	40	30	20	10	0

Function Machines (Add & Subtract) Name:

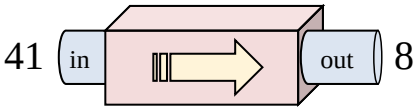
Determine which rule the function machine is using.

1)



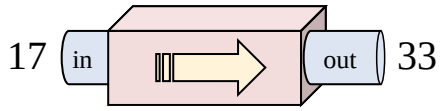
A. Subtract 18
B. Add 21
C. Add 16
D. Subtract 16

2)



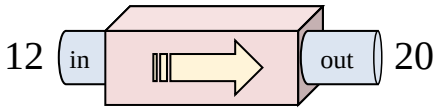
A. Subtract 33
B. Subtract 29
C. Add 31
D. Subtract 31

3)



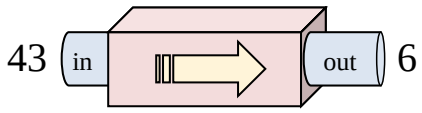
A. Add 16
B. Subtract 18
C. Add 20
D. Add 18

4)



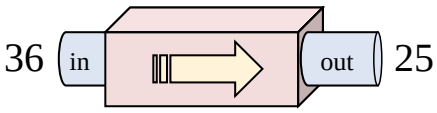
A. Add 11
B. Subtract 7
C. Add 7
D. Add 8

5)



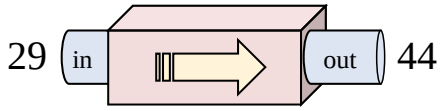
A. Subtract 37
B. Subtract 38
C. Subtract 34
D. Add 42

6)



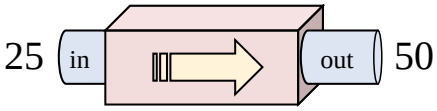
A. Subtract 14
B. Subtract 15
C. Add 8
D. Subtract 11

7)



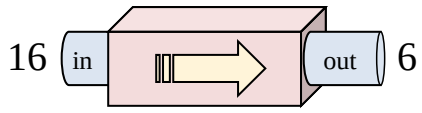
A. Subtract 12
B. Add 16
C. Add 17
D. Add 15

8)



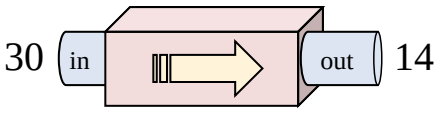
A. Add 30
B. Subtract 30
C. Add 25
D. Add 26

9)



A. Subtract 6
B. Subtract 10
C. Subtract 15
D. Subtract 13

10)



A. Subtract 19
B. Subtract 12
C. Subtract 16
D. Add 12

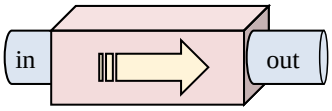
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

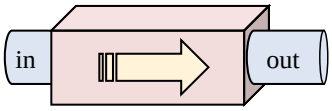
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 41 

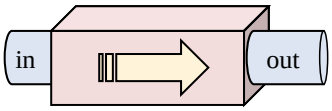
23

A. Subtract 18
B. Add 21
C. Add 16
D. Subtract 16

2) 41 

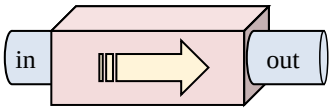
8

A. Subtract 33
B. Subtract 29
C. Add 31
D. Subtract 31

3) 17 

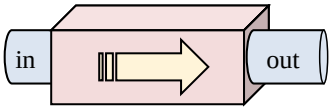
33

A. Add 16
B. Subtract 18
C. Add 20
D. Add 18

4) 12 

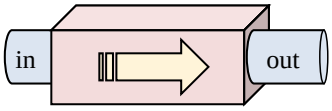
20

A. Add 11
B. Subtract 7
C. Add 7
D. Add 8

5) 43 

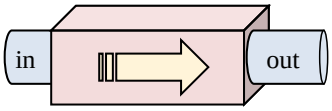
6

A. Subtract 37
B. Subtract 38
C. Subtract 34
D. Add 42

6) 36 

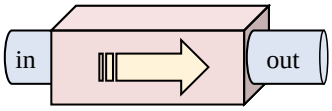
25

A. Subtract 14
B. Subtract 15
C. Add 8
D. Subtract 11

7) 29 

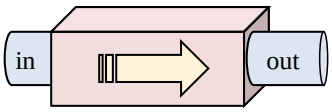
44

A. Subtract 12
B. Add 16
C. Add 17
D. Add 15

8) 25 

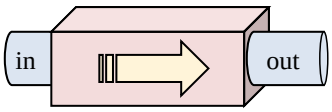
50

A. Add 30
B. Subtract 30
C. Add 25
D. Add 26

9) 16 

6

A. Subtract 6
B. Subtract 10
C. Subtract 15
D. Subtract 13

10) 30 

14

A. Subtract 19
B. Subtract 12
C. Subtract 16
D. Add 12

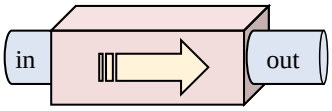
Answers

1. A
2. A
3. A
4. D
5. A
6. D
7. D
8. C
9. B
10. C

1-10	90	80	70	60	50	40	30	20	10	0

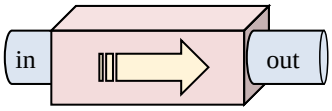
Function Machines (Add & Subtract) Name:

Determine which rule the function machine is using.

1) 28 

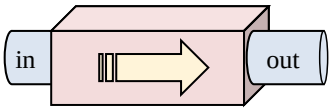
22

A. Subtract 5
B. Subtract 11
C. Subtract 6
D. Add 5

2) 24 

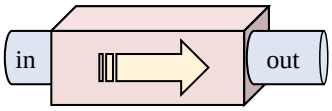
40

A. Add 20
B. Add 17
C. Subtract 19
D. Add 16

3) 39 

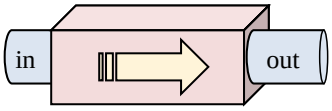
22

A. Add 17
B. Subtract 17
C. Subtract 20
D. Subtract 19

4) 39 

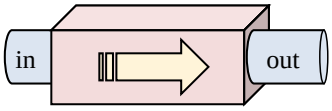
7

A. Subtract 30
B. Subtract 35
C. Subtract 32
D. Subtract 34

5) 17 

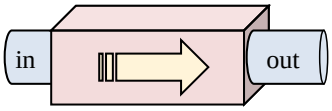
11

A. Add 9
B. Subtract 8
C. Subtract 6
D. Subtract 2

6) 37 

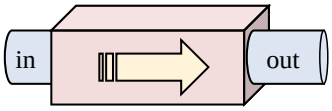
23

A. Subtract 12
B. Add 10
C. Subtract 14
D. Subtract 15

7) 24 

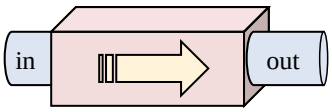
42

A. Add 18
B. Add 15
C. Add 22
D. Add 14

8) 49 

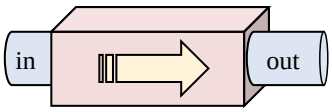
16

A. Subtract 33
B. Subtract 32
C. Add 32
D. Add 30

9) 12 

46

A. Add 37
B. Add 32
C. Add 34
D. Add 38

10) 10 

36

A. Add 29
B. Add 26
C. Subtract 29
D. Add 30

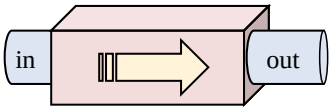
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

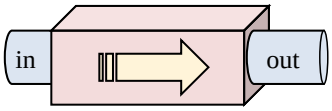
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 28 

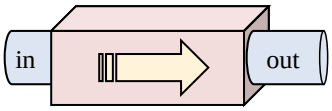
22

A. Subtract 5
B. Subtract 11
C. Subtract 6
D. Add 5

2) 24 

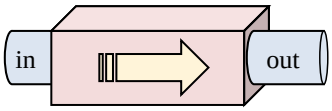
40

A. Add 20
B. Add 17
C. Subtract 19
D. Add 16

3) 39 

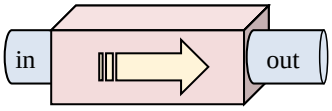
22

A. Add 17
B. Subtract 17
C. Subtract 20
D. Subtract 19

4) 39 

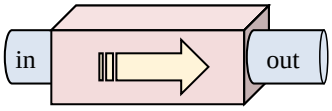
7

A. Subtract 30
B. Subtract 35
C. Subtract 32
D. Subtract 34

5) 17 

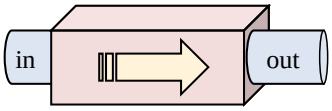
11

A. Add 9
B. Subtract 8
C. Subtract 6
D. Subtract 2

6) 37 

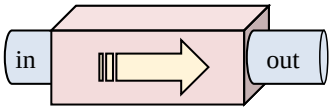
23

A. Subtract 12
B. Add 10
C. Subtract 14
D. Subtract 15

7) 24 

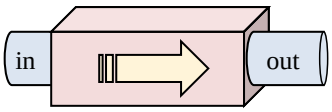
42

A. Add 18
B. Add 15
C. Add 22
D. Add 14

8) 49 

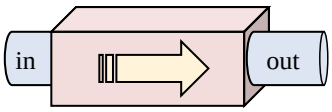
16

A. Subtract 33
B. Subtract 32
C. Add 32
D. Add 30

9) 12 

46

A. Add 37
B. Add 32
C. Add 34
D. Add 38

10) 10 

36

A. Add 29
B. Add 26
C. Subtract 29
D. Add 30

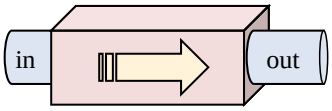
Answers

1. C
2. D
3. B
4. C
5. C
6. C
7. A
8. A
9. C
10. B

1-10	90	80	70	60	50	40	30	20	10	0

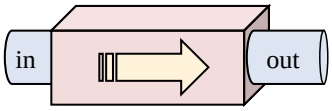
Function Machines (Add & Subtract) Name:

Determine which rule the function machine is using.

1) 39 

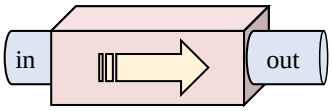
8

A. Subtract 34
B. Add 28
C. Add 26
D. Subtract 31

2) 35 

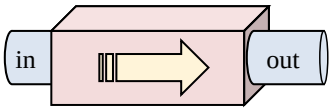
25

A. Subtract 6
B. Subtract 14
C. Subtract 10
D. Add 9

3) 20 

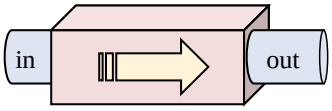
28

A. Add 3
B. Add 4
C. Add 9
D. Add 8

4) 15 

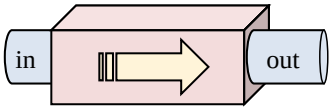
49

A. Subtract 36
B. Add 29
C. Add 34
D. Add 31

5) 7 

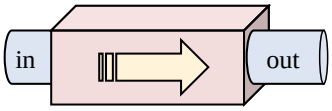
28

A. Subtract 20
B. Add 23
C. Add 20
D. Add 21

6) 24 

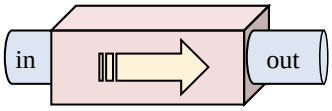
45

A. Add 17
B. Subtract 22
C. Add 18
D. Add 21

7) 20 

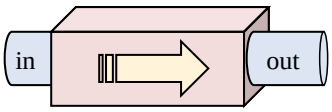
33

A. Add 9
B. Add 15
C. Add 17
D. Add 13

8) 20 

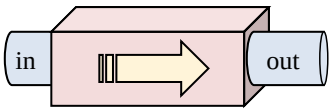
48

A. Add 28
B. Subtract 27
C. Add 25
D. Add 29

9) 46 

8

A. Subtract 42
B. Subtract 40
C. Add 34
D. Subtract 38

10) 35 

23

A. Subtract 10
B. Subtract 12
C. Add 17
D. Add 8

Answers

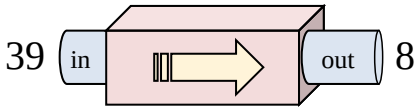
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Function Machines (Add & Subtract) Name: **Answer Key**

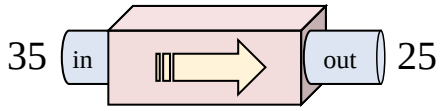
Determine which rule the function machine is using.

1)



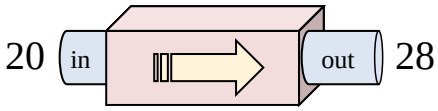
A. Subtract 34
B. Add 28
C. Add 26
D. Subtract 31

2)



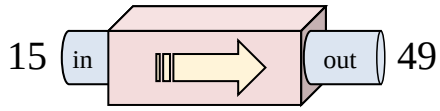
A. Subtract 6
B. Subtract 14
C. Subtract 10
D. Add 9

3)



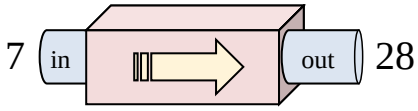
A. Add 3
B. Add 4
C. Add 9
D. Add 8

4)



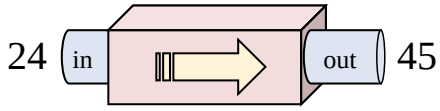
A. Subtract 36
B. Add 29
C. Add 34
D. Add 31

5)



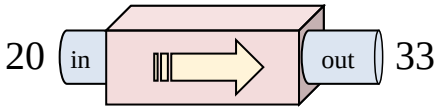
A. Subtract 20
B. Add 23
C. Add 20
D. Add 21

6)



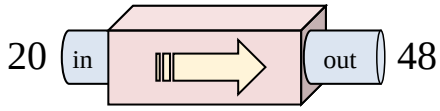
A. Add 17
B. Subtract 22
C. Add 18
D. Add 21

7)



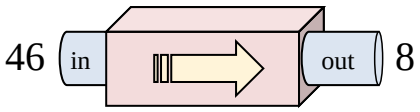
A. Add 9
B. Add 15
C. Add 17
D. Add 13

8)



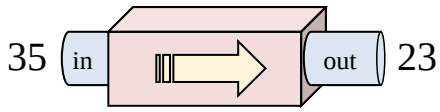
A. Add 28
B. Subtract 27
C. Add 25
D. Add 29

9)



A. Subtract 42
B. Subtract 40
C. Add 34
D. Subtract 38

10)



A. Subtract 10
B. Subtract 12
C. Add 17
D. Add 8

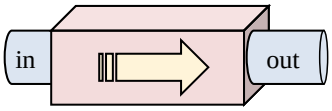
Answers

1. D
2. C
3. D
4. C
5. D
6. D
7. D
8. A
9. D
10. B

1-10	90	80	70	60	50	40	30	20	10	0

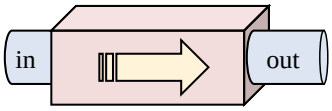
Function Machines (Add & Subtract) Name:

Determine which rule the function machine is using.

1) 32 

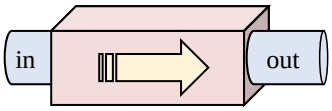
17

A. Subtract 20
B. Subtract 14
C. Add 12
D. Subtract 15

2) 20 

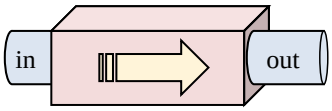
43

A. Add 24
B. Add 21
C. Add 20
D. Add 23

3) 18 

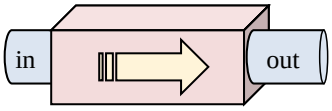
33

A. Add 15
B. Subtract 19
C. Add 17
D. Add 10

4) 6 

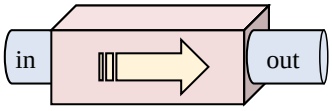
42

A. Add 31
B. Subtract 31
C. Add 36
D. Subtract 40

5) 38 

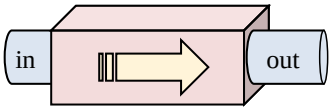
24

A. Subtract 12
B. Subtract 14
C. Subtract 13
D. Add 11

6) 26 

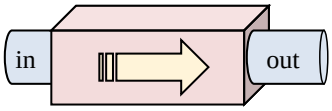
17

A. Add 6
B. Subtract 8
C. Subtract 9
D. Subtract 4

7) 6 

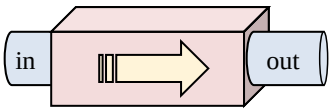
20

A. Subtract 13
B. Subtract 14
C. Add 18
D. Add 14

8) 36 

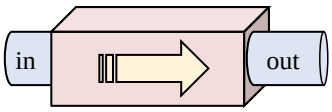
20

A. Subtract 16
B. Subtract 11
C. Add 16
D. Subtract 13

9) 20 

28

A. Add 5
B. Add 8
C. Subtract 11
D. Add 7

10) 16 

35

A. Add 24
B. Add 19
C. Subtract 16
D. Subtract 24

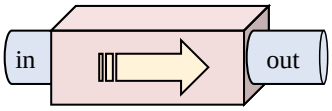
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

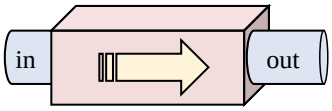
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 32 

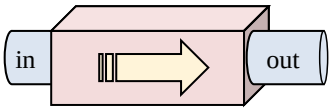
17

A. Subtract 20
B. Subtract 14
C. Add 12
D. Subtract 15

2) 20 

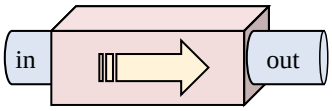
43

A. Add 24
B. Add 21
C. Add 20
D. Add 23

3) 18 

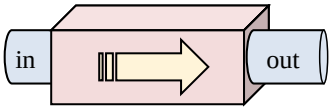
33

A. Add 15
B. Subtract 19
C. Add 17
D. Add 10

4) 6 

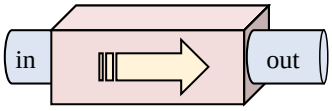
42

A. Add 31
B. Subtract 31
C. Add 36
D. Subtract 40

5) 38 

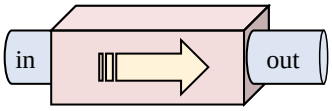
24

A. Subtract 12
B. Subtract 14
C. Subtract 13
D. Add 11

6) 26 

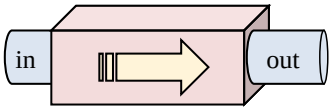
17

A. Add 6
B. Subtract 8
C. Subtract 9
D. Subtract 4

7) 6 

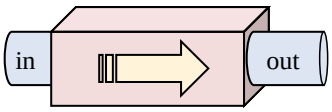
20

A. Subtract 13
B. Subtract 14
C. Add 18
D. Add 14

8) 36 

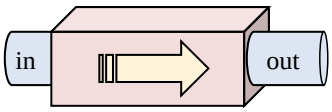
20

A. Subtract 16
B. Subtract 11
C. Add 16
D. Subtract 13

9) 20 

28

A. Add 5
B. Add 8
C. Subtract 11
D. Add 7

10) 16 

35

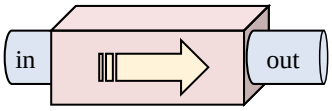
A. Add 24
B. Add 19
C. Subtract 16
D. Subtract 24

Answers

1. D
2. D
3. A
4. C
5. B
6. C
7. D
8. A
9. B
10. B

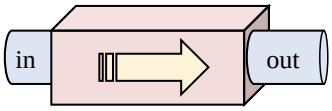
1-10	90	80	70	60	50	40	30	20	10	0

Determine which rule the function machine is using.

1) 24 

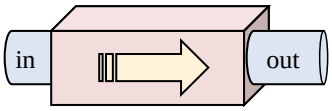
33

A. Add 12
B. Subtract 8
C. Add 13
D. Add 9

2) 9 

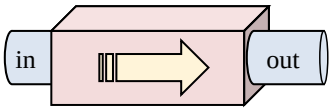
32

A. Add 25
B. Add 23
C. Add 26
D. Subtract 19

3) 34 

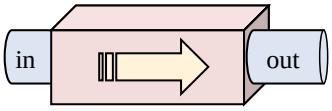
29

A. Add 7
B. Subtract 5
C. Subtract 6
D. Add 3

4) 37 

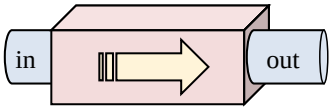
27

A. Add 13
B. Subtract 10
C. Subtract 15
D. Subtract 13

5) 26 

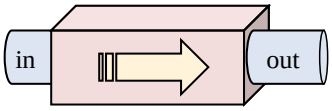
43

A. Add 14
B. Subtract 22
C. Add 15
D. Add 17

6) 36 

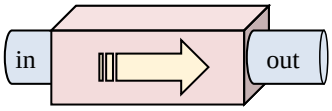
20

A. Subtract 16
B. Add 19
C. Add 21
D. Subtract 17

7) 26 

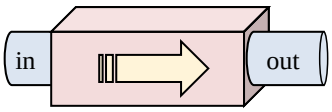
31

A. Add 5
B. Subtract 7
C. Add 7
D. Subtract 4

8) 33 

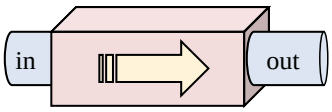
20

A. Subtract 16
B. Add 16
C. Subtract 8
D. Subtract 13

9) 38 

12

A. Subtract 29
B. Subtract 30
C. Subtract 26
D. Add 21

10) 11 

19

A. Add 8
B. Add 9
C. Subtract 13
D. Add 5

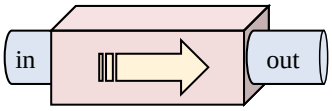
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

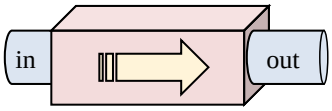
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 24 

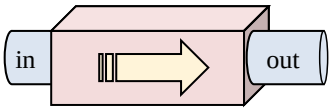
33

A. Add 12
B. Subtract 8
C. Add 13
D. Add 9

2) 9 

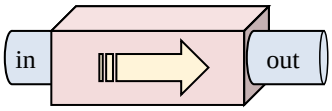
32

A. Add 25
B. Add 23
C. Add 26
D. Subtract 19

3) 34 

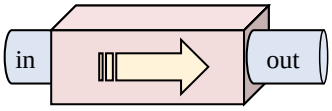
29

A. Add 7
B. Subtract 5
C. Subtract 6
D. Add 3

4) 37 

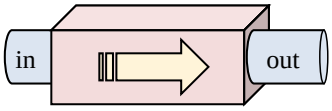
27

A. Add 13
B. Subtract 10
C. Subtract 15
D. Subtract 13

5) 26 

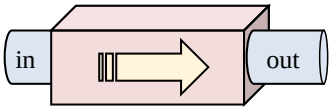
43

A. Add 14
B. Subtract 22
C. Add 15
D. Add 17

6) 36 

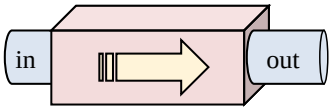
20

A. Subtract 16
B. Add 19
C. Add 21
D. Subtract 17

7) 26 

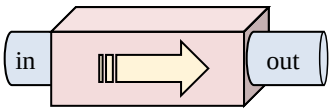
31

A. Add 5
B. Subtract 7
C. Add 7
D. Subtract 4

8) 33 

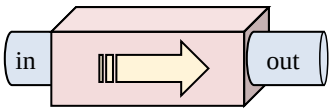
20

A. Subtract 16
B. Add 16
C. Subtract 8
D. Subtract 13

9) 38 

12

A. Subtract 29
B. Subtract 30
C. Subtract 26
D. Add 21

10) 11 

19

A. Add 8
B. Add 9
C. Subtract 13
D. Add 5

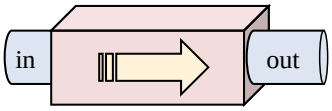
Answers

1. D
2. B
3. B
4. B
5. D
6. A
7. A
8. D
9. C
10. A

1-10	90	80	70	60	50	40	30	20	10	0

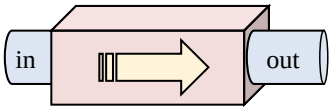
Function Machines (Add & Subtract) Name:

Determine which rule the function machine is using.

1) 41 

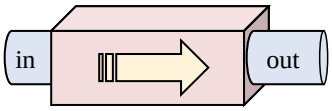
22

A. Subtract 19
B. Add 16
C. Subtract 24
D. Add 24

2) 28 

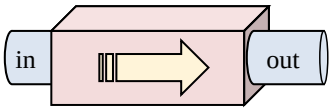
44

A. Add 16
B. Add 18
C. Subtract 16
D. Add 21

3) 30 

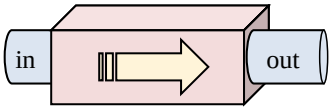
44

A. Add 12
B. Add 17
C. Subtract 18
D. Add 14

4) 50 

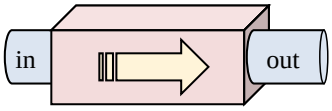
29

A. Add 23
B. Subtract 21
C. Add 24
D. Subtract 23

5) 28 

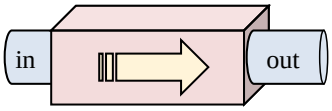
44

A. Add 12
B. Add 19
C. Add 16
D. Add 21

6) 46 

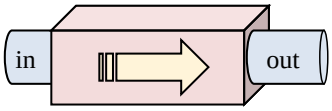
17

A. Subtract 25
B. Subtract 29
C. Add 31
D. Add 34

7) 27 

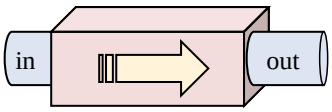
36

A. Add 7
B. Add 6
C. Add 9
D. Subtract 13

8) 24 

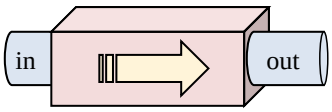
30

A. Subtract 7
B. Add 2
C. Add 6
D. Add 10

9) 25 

13

A. Add 12
B. Subtract 8
C. Add 11
D. Subtract 12

10) 30 

37

A. Add 7
B. Add 9
C. Add 3
D. Subtract 3

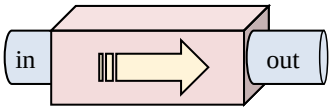
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

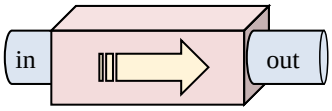
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 41 

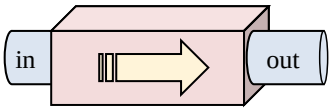
22

A. Subtract 19
B. Add 16
C. Subtract 24
D. Add 24

2) 28 

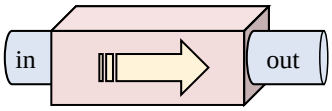
44

A. Add 16
B. Add 18
C. Subtract 16
D. Add 21

3) 30 

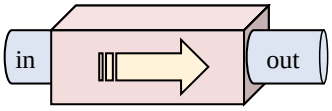
44

A. Add 12
B. Add 17
C. Subtract 18
D. Add 14

4) 50 

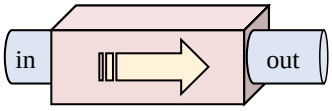
29

A. Add 23
B. Subtract 21
C. Add 24
D. Subtract 23

5) 28 

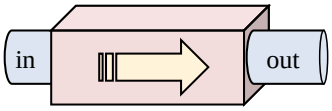
44

A. Add 12
B. Add 19
C. Add 16
D. Add 21

6) 46 

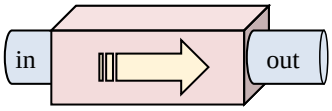
17

A. Subtract 25
B. Subtract 29
C. Add 31
D. Add 34

7) 27 

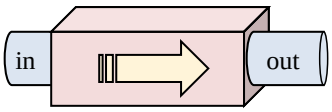
36

A. Add 7
B. Add 6
C. Add 9
D. Subtract 13

8) 24 

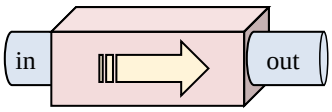
30

A. Subtract 7
B. Add 2
C. Add 6
D. Add 10

9) 25 

13

A. Add 12
B. Subtract 8
C. Add 11
D. Subtract 12

10) 30 

37

A. Add 7
B. Add 9
C. Add 3
D. Subtract 3

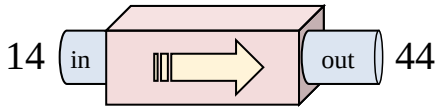
Answers

1. A
2. A
3. D
4. B
5. C
6. B
7. C
8. C
9. D
10. A

1-10	90	80	70	60	50	40	30	20	10	0

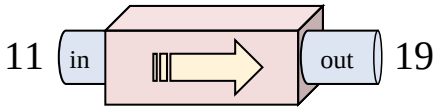
Determine which rule the function machine is using.

1)



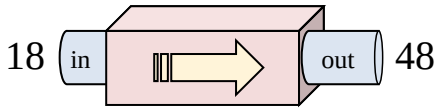
A. Add 27
B. Add 30
C. Add 25
D. Subtract 32

2)



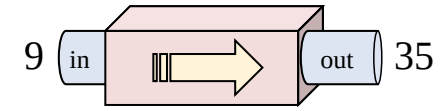
A. Add 8
B. Add 6
C. Subtract 3
D. Add 4

3)



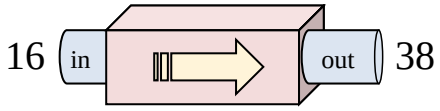
A. Subtract 25
B. Add 30
C. Add 29
D. Add 34

4)



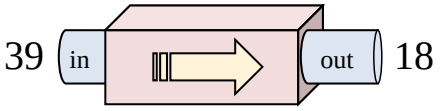
A. Add 28
B. Add 26
C. Subtract 30
D. Subtract 22

5)



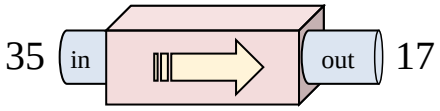
A. Add 22
B. Add 27
C. Add 24
D. Subtract 17

6)



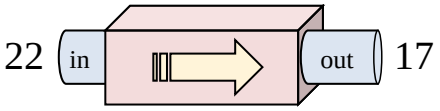
A. Subtract 20
B. Subtract 23
C. Subtract 16
D. Subtract 21

7)



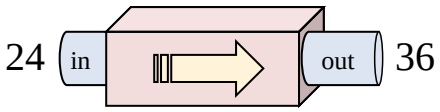
A. Subtract 17
B. Add 21
C. Subtract 14
D. Subtract 18

8)



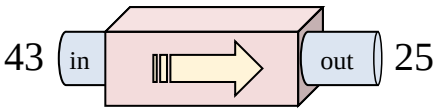
A. Subtract 10
B. Add 2
C. Subtract 6
D. Subtract 5

9)



A. Subtract 17
B. Subtract 12
C. Add 12
D. Add 9

10)



A. Add 15
B. Subtract 16
C. Add 13
D. Subtract 18

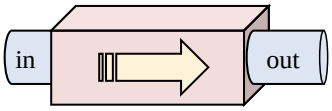
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

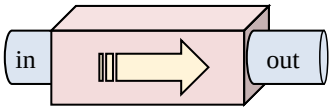
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 14 

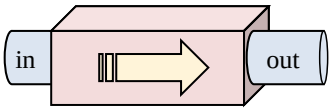
44

A. Add 27
B. Add 30
C. Add 25
D. Subtract 32

2) 11 

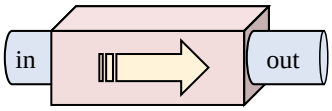
19

A. Add 8
B. Add 6
C. Subtract 3
D. Add 4

3) 18 

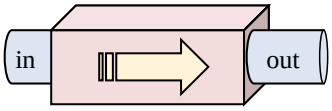
48

A. Subtract 25
B. Add 30
C. Add 29
D. Add 34

4) 9 

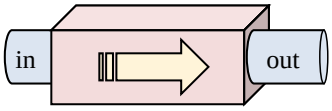
35

A. Add 28
B. Add 26
C. Subtract 30
D. Subtract 22

5) 16 

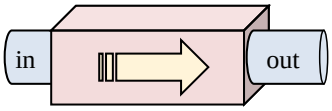
38

A. Add 22
B. Add 27
C. Add 24
D. Subtract 17

6) 39 

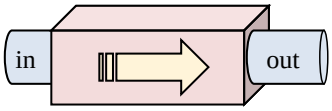
18

A. Subtract 20
B. Subtract 23
C. Subtract 16
D. Subtract 21

7) 35 

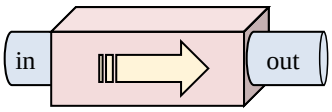
17

A. Subtract 17
B. Add 21
C. Subtract 14
D. Subtract 18

8) 22 

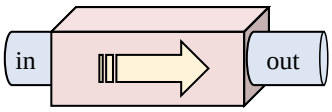
17

A. Subtract 10
B. Add 2
C. Subtract 6
D. Subtract 5

9) 24 

36

A. Subtract 17
B. Subtract 12
C. Add 12
D. Add 9

10) 43 

25

A. Add 15
B. Subtract 16
C. Add 13
D. Subtract 18

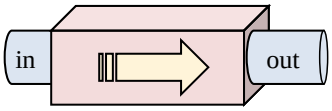
Answers

1. B
2. A
3. B
4. B
5. A
6. D
7. D
8. D
9. C
10. D

1-10	90	80	70	60	50	40	30	20	10	0

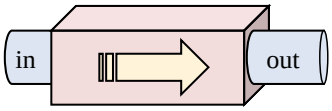
Function Machines (Add & Subtract) Name:

Determine which rule the function machine is using.

1) 36 

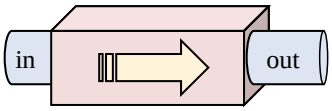
9

A. Add 30
B. Subtract 32
C. Subtract 31
D. Subtract 27

2) 9 

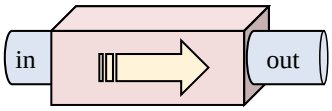
34

A. Add 23
B. Subtract 29
C. Subtract 21
D. Add 25

3) 12 

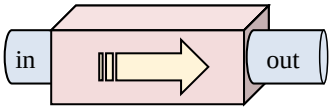
40

A. Subtract 30
B. Add 33
C. Add 29
D. Add 28

4) 24 

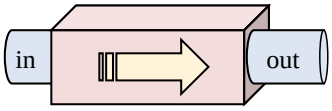
18

A. Add 4
B. Subtract 2
C. Subtract 6
D. Subtract 5

5) 40 

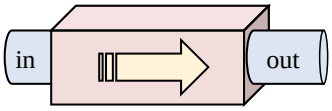
6

A. Add 29
B. Subtract 39
C. Subtract 34
D. Add 30

6) 33 

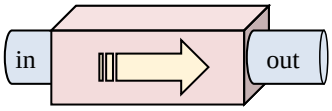
19

A. Add 16
B. Subtract 17
C. Subtract 14
D. Subtract 9

7) 24 

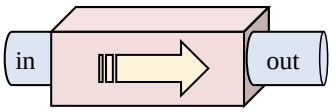
32

A. Add 11
B. Add 8
C. Subtract 12
D. Add 12

8) 18 

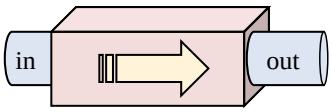
42

A. Add 24
B. Add 23
C. Subtract 23
D. Add 21

9) 8 

33

A. Add 25
B. Subtract 24
C. Subtract 26
D. Add 27

10) 39 

25

A. Add 9
B. Add 14
C. Subtract 10
D. Subtract 14

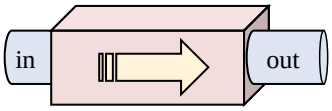
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

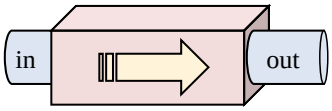
Function Machines (Add & Subtract) Name: **Answer Key**

Determine which rule the function machine is using.

1) 36 

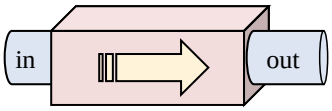
9

A. Add 30
B. Subtract 32
C. Subtract 31
D. Subtract 27

2) 9 

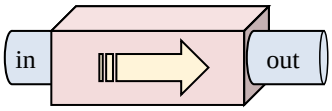
34

A. Add 23
B. Subtract 29
C. Subtract 21
D. Add 25

3) 12 

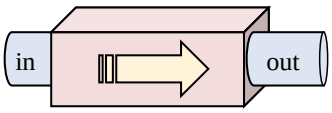
40

A. Subtract 30
B. Add 33
C. Add 29
D. Add 28

4) 24 

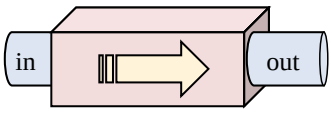
18

A. Add 4
B. Subtract 2
C. Subtract 6
D. Subtract 5

5) 40 

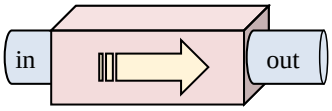
6

A. Add 29
B. Subtract 39
C. Subtract 34
D. Add 30

6) 33 

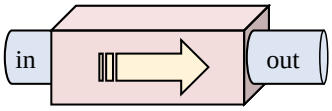
19

A. Add 16
B. Subtract 17
C. Subtract 14
D. Subtract 9

7) 24 

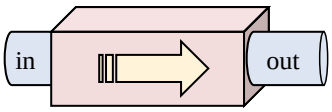
32

A. Add 11
B. Add 8
C. Subtract 12
D. Add 12

8) 18 

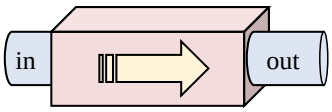
42

A. Add 24
B. Add 23
C. Subtract 23
D. Add 21

9) 8 

33

A. Add 25
B. Subtract 24
C. Subtract 26
D. Add 27

10) 39 

25

A. Add 9
B. Add 14
C. Subtract 10
D. Subtract 14

Answers

1. D
2. D
3. D
4. C
5. C
6. C
7. B
8. A
9. A
10. D

1-10	90	80	70	60	50	40	30	20	10	0