Balancing Equations

Name:

Determine the number that will correctly balance each equation.

1) 18 + 32 = ___ + 3

2) 26 + 11 = 27 + ___

3) 80 - 10 = ___ + 36

4) ___ + 13 + 33 = 15 + 44

5) ___ - 33 = 10 + 4 + 21

6) 121 - ___ = 49 + 10 + 26

7) 61 - 11 = ___ + 13

8) 66 - 27 = ___ - 37

9) ___ + 3 = 71 - 44

10) 45 + 16 + 17 = ___ + 36

11) 52 - 8 = ___ - 29

12) 48 - 12 = 46 - ___

13) 14 + 15 = ___ + 17

14) 93 - 45 = 2 + ___ + 35

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 18 + 32 = 47 + 3
50 = 50

2) 26 + 11 = 27 + 10
37 = 37

3) 80 - 10 = 34 + 36
70 = 70

4) 13 + 13 + 33 = 15 + 44
59 = 59

5) 68 - 33 = 10 + 4 + 21
35 = 35

6) 121 - 36 = 49 + 10 + 26
85 = 85

7) 61 - 11 = 37 + 13
50 = 50

8) 66 - 27 = 76 - 37
39 = 39

9) 24 + 3 = 71 - 44
27 = 27

10) 45 + 16 + 17 = 42 + 36
78 = 78

11) 52 - 8 = 73 - 29
44 = 44

12) 48 - 12 = 46 - 10
36 = 36

13) 14 + 15 = 12 + 17
29 = 29

14) 93 - 45 = 2 + 11 + 35
48 = 48

Answers

1. 47
2. 10
3. 34
4. 13
5. 68
6. 36
7. 37
8. 76
9. 24
10. 42
11. 73
12. 10
13. 12
14. 11

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Balancing Equations Name:

Determine the number that will correctly balance each equation.

1) ___ + 31 = 32 + 15

2) 8 + 30 + 45 = ___ - 3

3) 19 + 50 + 42 = 113 - ___

4) 34 + 25 + 5 = ___ + 33

5) ___ - 16 = 47 - 24

6) ___ - 3 = 18 + 39

7) 17 + 50 + ___ = 108 - 17

8) 45 + 43 + 26 = ___ + 41

9) 41 + 15 + ___ = 50 + 15

10) ___ + 32 = 16 + 28

11) 11 + 15 = 51 - ___

12) 47 + 37 = 115 - ___

13) 38 - 22 = 26 - ___

14) ___ - 14 = 63 - 35

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 16 + 31 = 32 + 15
47 = 47

2) 8 + 30 + 45 = 86 - 3
83 = 83

3) 19 + 50 + 42 = 113 - 2
111 = 111

4) 34 + 25 + 5 = 31 + 33
64 = 64

5) 39 - 16 = 47 - 24
23 = 23

6) 60 - 3 = 18 + 39
57 = 57

7) 17 + 50 + 24 = 108 - 17
91 = 91

8) 45 + 43 + 26 = 73 + 41
114 = 114

9) 41 + 15 + 9 = 50 + 15
65 = 65

10) 12 + 32 = 16 + 28
44 = 44

11) 11 + 15 = 51 - 25
26 = 26

12) 47 + 37 = 115 - 31
84 = 84

13) 38 - 22 = 26 - 10
16 = 16

14) 42 - 14 = 63 - 35
28 = 28

Answers

1. 16
2. 86
3. 2
4. 31
5. 39
6. 60
7. 24
8. 73
9. 9
10. 12
11. 25
12. 31
13. 10
14. 42

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Balancing Equations Name:

Determine the number that will correctly balance each equation.

1) ___ + 40 + 48 = 163 - 36

2) 60 - 2 = ___ + 47

3) 10 + 25 + 41 = 124 - ___

4) 24 + 45 + 27 = 69 + ___

5) ___ - 24 = 40 - 18

6) 33 + 4 = ___ - 4

7) 134 + 2 = ___ + 41 + 47

8) 42 + 4 = 29 + ___

9) ___ + 32 + 33 = 44 + 48

10) 35 + 47 + 49 = 158 - ___

11) ___ + 34 = 130 - 50

12) 62 - ___ = 54 - 19

13) 27 + ___ = 36 + 18

14) ___ - 5 = 76 - 27

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 39 + 40 + 48 = 163 - 36
127 = 127

2) 60 - 2 = 11 + 47
58 = 58

3) 10 + 25 + 41 = 124 - 48
76 = 76

4) 24 + 45 + 27 = 69 + 27
96 = 96

5) 46 - 24 = 40 - 18
22 = 22

6) 33 + 4 = 41 - 4
37 = 37

7) 134 + 2 = 48 + 41 + 47
136 = 136

8) 42 + 4 = 29 + 17
46 = 46

9) 27 + 32 + 33 = 44 + 48
92 = 92

10) 35 + 47 + 49 = 158 - 27
131 = 131

11) 46 + 34 = 130 - 50
80 = 80

12) 62 - 27 = 54 - 19
35 = 35

13) 27 + 27 = 36 + 18
54 = 54

14) 54 - 5 = 76 - 27
49 = 49

Answers

1. 39
2. 11
3. 48
4. 27
5. 46
6. 41
7. 48
8. 17
9. 27
10. 27
11. 46
12. 27
13. 27
14. 54

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) ___ - 17 = 28 + 41

2) 84 - 9 = 41 + ___

3) ___ - 5 = 44 - 23

4) 14 + 47 = ___ - 9

5) 60 + 25 = ___ + 20 + 49

6) 27 - ___ = 56 - 31

7) 13 + 70 = 13 + ___ + 31

8) 134 - 26 = ___ + 50 + 31

9) 69 - 24 = 66 - ___

10) 6 + 8 + ___ = 82 - 23

11) 37 + 43 + ___ = 43 + 54

12) 56 + 21 = ___ + 38

13) 31 + 51 = ___ + 43

14) 107 - 44 = 10 + 23 + ___

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 86 - 17 = 28 + 41
69 = 69

2) 84 - 9 = 41 + 34
75 = 75

3) 26 - 5 = 44 - 23
21 = 21

4) 14 + 47 = 70 - 9
61 = 61

5) 60 + 25 = 16 + 20 + 49
85 = 85

6) 27 - 2 = 56 - 31
25 = 25

7) 13 + 70 = 13 + 39 + 31
83 = 83

8) 134 - 26 = 27 + 50 + 31
108 = 108

9) 69 - 24 = 66 - 21
45 = 45

10) 6 + 8 + 45 = 82 - 23
59 = 59

11) 37 + 43 + 17 = 43 + 54
97 = 97

12) 56 + 21 = 39 + 38
77 = 77

13) 31 + 51 = 39 + 43
82 = 82

14) 107 - 44 = 10 + 23 + 30
63 = 63

Answers

1. 86
2. 34
3. 26
4. 70
5. 16
6. 2
7. 39
8. 27
9. 21
10. 45
11. 17
12. 39
13. 39
14. 30

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 25 + 9 = ___ + 18

2) ___ + 14 = 39 + 4

3) 20 + 27 + 45 = ___ + 31

4) 94 - 45 = 13 + ___

5) 49 - 13 = ___ - 37

6) 24 - ___ = 62 - 40

7) 68 - 23 = 95 - ___

8) 56 - 7 = ___ + 37

9) 11 + 6 = 38 - ___

10) 111 - 27 = 47 + 23 + ___

11) 36 + 29 + ___ = 122 - 32

12) 33 + 25 + ___ = 50 + 23

13) 19 + 47 + ___ = 84 - 11

14) ___ + 26 = 42 + 37

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 25 + 9 = 16 + 18
34 = 34

2) 29 + 14 = 39 + 4
43 = 43

3) 20 + 27 + 45 = 61 + 31
92 = 92

4) 94 - 45 = 13 + 36
49 = 49

5) 49 - 13 = 73 - 37
36 = 36

6) 24 - 2 = 62 - 40
22 = 22

7) 68 - 23 = 95 - 50
45 = 45

8) 56 - 7 = 12 + 37
49 = 49

9) 11 + 6 = 38 - 21
17 = 17

10) 111 - 27 = 47 + 23 + 14
84 = 84

11) 36 + 29 + 25 = 122 - 32
90 = 90

12) 33 + 25 + 15 = 50 + 23
73 = 73

13) 19 + 47 + 7 = 84 - 11
73 = 73

14) 53 + 26 = 42 + 37
79 = 79

Answers

1. 16
2. 29
3. 61
4. 36
5. 73
6. 2
7. 50
8. 12
9. 21
10. 14
11. 25
12. 15
13. 7
14. 53

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 11 + 35 = 27 + ___

2) 105 - 23 = 49 + ___

3) 37 - ___ = 50 - 16

4) ___ - 8 = 64 - 17

5) ___ + 43 = 26 + 26

6) 13 + ___ = 6 + 6 + 24

7) 22 + 82 = ___ + 26 + 29

8) ___ + 23 = 49 - 14

9) ___ - 35 = 38 + 49 + 39

10) ___ - 47 = 70 - 22

11) 3 + 25 = ___ + 14

12) 138 - 50 = 50 + 12 + ___

13) 11 + 17 + 12 = ___ - 49

14) 89 - 9 = 31 + ___

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 11 + 35 = 27 + 19
46 = 46

2) 105 - 23 = 49 + 33
82 = 82

3) 37 - 3 = 50 - 16
34 = 34

4) 55 - 8 = 64 - 17
47 = 47

5) 9 + 43 = 26 + 26
52 = 52

6) 13 + 23 = 6 + 6 + 24
36 = 36

7) 22 + 82 = 49 + 26 + 29
104 = 104

8) 12 + 23 = 49 - 14
35 = 35

9) 161 - 35 = 38 + 49 + 39
126 = 126

10) 95 - 47 = 70 - 22
48 = 48

11) 3 + 25 = 14 + 14
28 = 28

12) 138 - 50 = 50 + 12 + 26
88 = 88

13) 11 + 17 + 12 = 89 - 49
40 = 40

14) 89 - 9 = 31 + 49
80 = 80

Answers

1. 19
2. 33
3. 3
4. 55
5. 9
6. 23
7. 49
8. 12
9. 161
10. 95
11. 14
12. 26
13. 89
14. 49

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Balancing Equations Name:

Determine the number that will correctly balance each equation.

1) 46 + 41 = ___ + 39

2) ___ - 17 = 65 - 37

3) ___ + 18 + 29 = 13 + 84

4) 74 - 38 = ___ + 7

5) ___ - 41 = 6 + 49 + 31

6) 50 + 26 = ___ - 48

7) ___ - 9 = 61 - 35

8) 23 + ___ + 43 = 121 - 47

9) 26 + 22 = 17 + ___

10) ___ - 40 = 65 - 15

11) 21 + ___ = 29 + 42

12) 76 - 16 = 17 + ___

13) 42 + 18 + 30 = ___ + 32

14) 124 - 28 = ___ + 31 + 18

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 46 + 41 = 48 + 39
87 = 87

2) 45 - 17 = 65 - 37
28 = 28

3) 50 + 18 + 29 = 13 + 84
97 = 97

4) 74 - 38 = 29 + 7
36 = 36

5) 127 - 41 = 6 + 49 + 31
86 = 86

6) 50 + 26 = 124 - 48
76 = 76

7) 35 - 9 = 61 - 35
26 = 26

8) 23 + 8 + 43 = 121 - 47
74 = 74

9) 26 + 22 = 17 + 31
48 = 48

10) 90 - 40 = 65 - 15
50 = 50

11) 21 + 50 = 29 + 42
71 = 71

12) 76 - 16 = 17 + 43
60 = 60

13) 42 + 18 + 30 = 58 + 32
90 = 90

14) 124 - 28 = 47 + 31 + 18
96 = 96

Answers

1. **48**
2. **45**
3. **50**
4. **29**
5. **127**
6. **124**
7. **35**
8. **8**
9. **31**
10. **90**
11. **50**
12. **43**
13. **58**
14. **47**

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Balancing Equations Name:

Determine the number that will correctly balance each equation.

1) 33 - 13 = 15 + ___

2) ___ + 12 + 13 = 42 - 4

3) 21 + ___ + 29 = 88 - 13

4) ___ + 24 + 33 = 137 - 46

5) ___ + 54 = 11 + 29 + 18

6) 44 + 33 + 46 = 98 + ___

7) 31 - 27 = ___ - 18

8) 34 + 14 = ___ + 46

9) 94 - ___ = 20 + 45

10) 90 - 46 = ___ - 15

11) 19 + 3 = 2 + ___

12) 48 + 1 = ___ + 8

13) 45 - 36 = ___ - 34

14) 20 + 70 = ___ + 44 + 34

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 33 - 13 = 15 + 5
20 = 20

2) 13 + 12 + 13 = 42 - 4
38 = 38

3) 21 + 25 + 29 = 88 - 13
75 = 75

4) 34 + 24 + 33 = 137 - 46
91 = 91

5) 4 + 54 = 11 + 29 + 18
58 = 58

6) 44 + 33 + 46 = 98 + 25
123 = 123

7) 31 - 27 = 22 - 18
4 = 4

8) 34 + 14 = 2 + 46
48 = 48

9) 94 - 29 = 20 + 45
65 = 65

10) 90 - 46 = 59 - 15
44 = 44

11) 19 + 3 = 2 + 20
22 = 22

12) 48 + 1 = 41 + 8
49 = 49

13) 45 - 36 = 43 - 34
9 = 9

14) 20 + 70 = 12 + 44 + 34
90 = 90

Answers

1. 5
2. 13
3. 25
4. 34
5. 4
6. 25
7. 22
8. 2
9. 29
10. 59
11. 20
12. 41
13. 43
14. 12

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 53 - ___ = 62 - 41

2) 75 - 30 = ___ - 46

3) 40 + 39 + 8 = 118 - ___

4) 18 + 33 = ___ + 44

5) 38 + 35 + 32 = ___ - 36

6) ___ + 27 + 38 = 1 + 100

7) 16 + 33 = 60 - ___

8) 30 + 27 + 28 = 33 + ___

9) 32 - ___ = 30 - 11

10) 37 + ___ = 63 + 3

11) 3 + 73 = 30 + ___ + 12

12) 17 + 22 = 64 - ___

13) 58 - 25 = ___ + 4 + 23

14) 72 - 33 = 2 + ___

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 53 - 32 = 62 - 41
21 = 21

2) 75 - 30 = 91 - 46
45 = 45

3) 40 + 39 + 8 = 118 - 31
87 = 87

4) 18 + 33 = 7 + 44
51 = 51

5) 38 + 35 + 32 = 141 - 36
105 = 105

6) 36 + 27 + 38 = 1 + 100
101 = 101

7) 16 + 33 = 60 - 11
49 = 49

8) 30 + 27 + 28 = 33 + 52
85 = 85

9) 32 - 13 = 30 - 11
19 = 19

10) 37 + 29 = 63 + 3
66 = 66

11) 3 + 73 = 30 + 34 + 12
76 = 76

12) 17 + 22 = 64 - 25
39 = 39

13) 58 - 25 = 6 + 4 + 23
33 = 33

14) 72 - 33 = 2 + 37
39 = 39

Answers

1. 32
2. 91
3. 31
4. 7
5. 141
6. 36
7. 11
8. 52
9. 13
10. 29
11. 34
12. 25
13. 6
14. 37

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Balancing Equations Name:

Determine the number that will correctly balance each equation.

1) 32 + 3 = 29 + ___

2) 30 + 45 + 47 = ___ - 47

3) 48 - ___ = 67 - 40

4) 128 - 27 = 17 + 34 + ___

5) 98 - 25 = ___ + 42

6) 4 + ___ = 13 + 27

7) 10 + 25 + ___ = 117 - 36

8) ___ - 8 = 45 - 34

9) 42 - ___ = 33 - 25

10) 58 + 9 = ___ + 26 + 34

11) ___ - 44 = 4 + 4

12) 13 + 9 = 4 + ___

13) 9 + 38 + ___ = 60 + 1

14) 41 + ___ + 36 = 66 + 30

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						

Determine the number that will correctly balance each equation.

1) 32 + 3 = 29 + 6
35 = 35

2) 30 + 45 + 47 = 169 - 47
122 = 122

3) 48 - 21 = 67 - 40
27 = 27

4) 128 - 27 = 17 + 34 + 50
101 = 101

5) 98 - 25 = 31 + 42
73 = 73

6) 4 + 36 = 13 + 27
40 = 40

7) 10 + 25 + 46 = 117 - 36
81 = 81

8) 19 - 8 = 45 - 34
11 = 11

9) 42 - 34 = 33 - 25
8 = 8

10) 58 + 9 = 7 + 26 + 34
67 = 67

11) 52 - 44 = 4 + 4
8 = 8

12) 13 + 9 = 4 + 18
22 = 22

13) 9 + 38 + 14 = 60 + 1
61 = 61

14) 41 + 19 + 36 = 66 + 30
96 = 96

Answers

1. 6
2. 169
3. 21
4. 50
5. 31
6. 36
7. 46
8. 19
9. 34
10. 7
11. 52
12. 18
13. 14
14. 19

1-10	93	86	79	71	64	57	50	43	36	29
11-14	21	14	7	0						