Balancing Equations

Name:

Determine the value of the variable.

1) Y × 5 = 10 × 6

2) 66 - P = 2 × 9

3) L + 41 = 48 + 21

4) P - 3 = 2 × 3

5) 32 + N = 9 × 7

6) 63 - K = 10 + 28

7) 10 × 2 = Y × 5

8) P - 48 = 31 + 26

9) 102 - L = 46 + 40

10) 9 × 6 = 51 + K

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) Y × 5 = 10 × 6

2) 66 - P = 2 × 9

3) L + 41 = 48 + 21

4) P - 3 = 2 × 3

5) 32 + N = 9 × 7

6) 63 - K = 10 + 28

7) 10 × 2 = Y × 5

8) P - 48 = 31 + 26

9) 102 - L = 46 + 40

10) 9 × 6 = 51 + K

Answers

1. **12**
2. **48**
3. **28**
4. **9**
5. **31**
6. **25**
7. **4**
8. **105**
9. **16**
10. **3**

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

Balancing Equations

Name:

Determine the value of the variable.

1) K - 39 = 23 + 30

2) 5 × 2 = 26 - K

3) W × 2 = 4 × 6

4) 4 × 8 = 51 - M

5) 3 × 7 = 12 + L

6) L - 42 = 4 × 5

7) 86 - Y = 12 + 45

8) Y - 39 = 15 + 45

9) 5 + 31 = L - 15

10) 91 - J = 45 + 34

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) K - 39 = 23 + 30

2) 5 × 2 = 26 - K

3) W × 2 = 4 × 6

4) 4 × 8 = 51 - M

5) 3 × 7 = 12 + L

6) L - 42 = 4 × 5

7) 86 - Y = 12 + 45

8) Y - 39 = 15 + 45

9) 5 + 31 = L - 15

10) 91 - J = 45 + 34

Answers

1. 92
2. 16
3. 12
4. 19
5. 9
6. 62
7. 29
8. 99
9. 51
10. 12

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

Balancing Equations

Name:

Determine the value of the variable.

1) $4 \times 7 = N \times 2$

2) $7 \times 3 = 43 - Y$

3) $W - 12 = 4 \times 6$

4) $9 \times 4 = 15 + Z$

5) $50 - M = 15 + 29$

6) $1 + 18 = 53 - W$

7) $37 + 47 = P + 12$

8) $24 + 4 = N - 39$

9) $N + 6 = 1 + 9$

10) $8 \times 4 = 6 + Z$

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) 4 × 7 = N × 2

2) 7 × 3 = 43 - Y

3) W - 12 = 4 × 6

4) 9 × 4 = 15 + Z

5) 50 - M = 15 + 29

6) 1 + 18 = 53 - W

7) 37 + 47 = P + 12

8) 24 + 4 = N - 39

9) N + 6 = 1 + 9

10) 8 × 4 = 6 + Z

Answers

1. **14**
2. **22**
3. **36**
4. **21**
5. **6**
6. **34**
7. **72**
8. **67**
9. **4**
10. **26**

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

Balancing Equations Name:

Determine the value of the variable.

1) L × 2 = 4 × 8

2) 10 + 24 = 52 - Z

3) 53 - M = 22 + 26

4) 7 × 5 = 37 - Z

5) W - 34 = 9 × 7

6) 23 + 26 = J - 13

7) 37 + 35 = 108 - K

8) 23 + K = 8 × 7

9) 41 + 34 = M + 62

10) 10 × 6 = N × 5

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) L × 2 = 4 × 8

2) 10 + 24 = 52 - Z

3) 53 - M = 22 + 26

4) 7 × 5 = 37 - Z

5) W - 34 = 9 × 7

6) 23 + 26 = J - 13

7) 37 + 35 = 108 - K

8) 23 + K = 8 × 7

9) 41 + 34 = M + 62

10) 10 × 6 = N × 5

Answers

1. **16**
2. **18**
3. **5**
4. **2**
5. **97**
6. **62**
7. **36**
8. **33**
9. **13**
10. **12**

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

Balancing Equations

Name:

Determine the value of the variable.

1) 7 × 5 = 62 - Y

2) 34 + 6 = N + 11

3) Z - 38 = 37 + 31

4) 3 × 3 = Y - 26

5) 61 - W = 42 + 13

6) 8 × 7 = P × 4

7) 33 + 14 = Y - 10

8) 17 + 4 = 37 - K

9) 7 × 8 = J - 19

10) 47 - Y = 4 × 3

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) 7 × 5 = 62 - Y

2) 34 + 6 = N + 11

3) Z - 38 = 37 + 31

4) 3 × 3 = Y - 26

5) 61 - W = 42 + 13

6) 8 × 7 = P × 4

7) 33 + 14 = Y - 10

8) 17 + 4 = 37 - K

9) 7 × 8 = J - 19

10) 47 - Y = 4 × 3

Answers

1. 27
2. 29
3. 106
4. 35
5. 6
6. 14
7. 57
8. 16
9. 75
10. 35

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

Balancing Equations Name:

Determine the value of the variable.

1) M × 2 = 10 × 4

2) 39 + 10 = 52 - K

3) 32 + N = 7 × 6

4) 2 × 6 = Z - 30

5) 5 × 9 = 56 - J

6) Y - 50 = 6 × 2

7) 24 + 46 = K - 45

8) K + 52 = 45 + 17

9) Y × 5 = 10 × 3

10) 3 + 34 = P - 27

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) M × 2 = 10 × 4

2) 39 + 10 = 52 - K

3) 32 + N = 7 × 6

4) 2 × 6 = Z - 30

5) 5 × 9 = 56 - J

6) Y - 50 = 6 × 2

7) 24 + 46 = K - 45

8) K + 52 = 45 + 17

9) Y × 5 = 10 × 3

10) 3 + 34 = P - 27

Answers

1. **20**
2. **3**
3. **10**
4. **42**
5. **11**
6. **62**
7. **115**
8. **10**
9. **6**
10. **64**

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

Balancing Equations

Name:

Determine the value of the variable.

1) 10 + 15 = Z - 49

2) 5 × 9 = 61 - K

3) N × 3 = 6 × 6

4) 4 × 5 = 6 + L

5) 115 - J = 33 + 35

6) 6 × 5 = 67 - W

7) 15 + Z = 8 × 4

8) 9 + M = 8 × 2

9) 101 - Z = 17 + 36

10) 6 + 27 = W + 33

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) 10 + 15 = Z - 49

2) 5 × 9 = 61 - K

3) N × 3 = 6 × 6

4) 4 × 5 = 6 + L

5) 115 - J = 33 + 35

6) 6 × 5 = 67 - W

7) 15 + Z = 8 × 4

8) 9 + M = 8 × 2

9) 101 - Z = 17 + 36

10) 6 + 27 = W + 33

Answers

1. **74**
2. **16**
3. **12**
4. **14**
5. **47**
6. **37**
7. **17**
8. **7**
9. **48**
10. **0**

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

Balancing Equations

Name:

Determine the value of the variable.

1) 41 + L = 5 × 9

2) 6 × 2 = 5 + J

3) 64 - Z = 14 + 25

4) K - 7 = 3 × 7

5) 8 × 5 = 44 - Y

6) 3 × 5 = M - 8

7) 10 + 37 = Y + 46

8) J - 14 = 35 + 22

9) M × 4 = 8 × 3

10) Y - 18 = 23 + 33

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) 41 + L = 5 × 9

2) 6 × 2 = 5 + J

3) 64 - Z = 14 + 25

4) K - 7 = 3 × 7

5) 8 × 5 = 44 - Y

6) 3 × 5 = M - 8

7) 10 + 37 = Y + 46

8) J - 14 = 35 + 22

9) M × 4 = 8 × 3

10) Y - 18 = 23 + 33

Answers

1. 4
2. 7
3. 25
4. 28
5. 4
6. 23
7. 1
8. 71
9. 6
10. 74

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

Balancing Equations

Name:

Determine the value of the variable.

1) 16 - Z = 7 × 2

2) W - 32 = 11 + 15

3) 32 + 45 = P + 23

4) 85 - Z = 44 + 25

5) 6 × 3 = 3 + Y

6) 8 × 7 = K × 4

7) 5 × 2 = W - 16

8) 4 × 7 = P - 23

9) N - 19 = 34 + 39

10) 96 - P = 37 + 26

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) 16 - Z = 7 × 2

2) W - 32 = 11 + 15

3) 32 + 45 = P + 23

4) 85 - Z = 44 + 25

5) 6 × 3 = 3 + Y

6) 8 × 7 = K × 4

7) 5 × 2 = W - 16

8) 4 × 7 = P - 23

9) N - 19 = 34 + 39

10) 96 - P = 37 + 26

Answers

1. 2
2. 58
3. 54
4. 16
5. 15
6. 14
7. 26
8. 51
9. 92
10. 33

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

Balancing Equations

Name:

Determine the value of the variable.

1) 6 × 8 = W × 2

2) 2 × 2 = 18 - Y

3) 2 × 2 = 7 - Y

4) K - 6 = 3 × 2

5) Z - 43 = 31 + 36

6) J × 5 = 10 × 3

7) 44 + 30 = J + 19

8) 14 + J = 5 × 9

9) 27 + 8 = 62 - J

10) P - 37 = 7 × 9

Answers

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

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

Balancing Equations

Name: **Answer Key**

Determine the value of the variable.

1) 6 × 8 = W × 2

2) 2 × 2 = 18 - Y

3) 2 × 2 = 7 - Y

4) K - 6 = 3 × 2

5) Z - 43 = 31 + 36

6) J × 5 = 10 × 3

7) 44 + 30 = J + 19

8) 14 + J = 5 × 9

9) 27 + 8 = 62 - J

10) P - 37 = 7 × 9

Answers

1. 24
2. 14
3. 3
4. 12
5. 110
6. 6
7. 55
8. 31
9. 27
10. 100

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