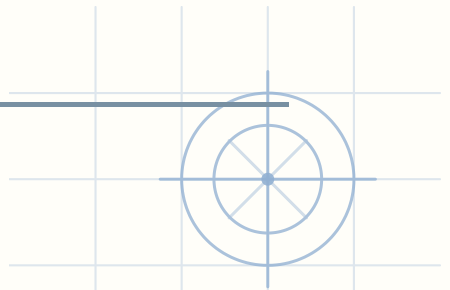


Solving equations — To 50

Name: _____

Date: _____

Solve each equation for x.



1 $x - 11 = 11$ 22

2 $x - 19 = 21$ _____

3 $45 - x = 26$ _____

4 $x + 14 = 34$ _____

5 $21 - x = 9$ _____

6 $50 - x = 18$ _____

7 $x + 40 = 47$ _____

8 $50 - x = 14$ _____

9 $x + 20 = 32$ _____

10 $x + 23 = 36$ _____

11 $x + 26 = 40$ _____

12 $x + 29 = 31$ _____



Solving equations — To 50

Name: _____

Date: _____

Solve each equation for x.

1 $8x = 40$ 5

2 $x \div 4 = 4$ _____

3 $3x = 36$ _____

4 $8x = 32$ _____

5 $x \div 10 = 5$ _____

6 $x \div 2 = 12$ _____

7 $x \div 5 = 7$ _____

8 $x \div 3 = 3$ _____

9 $x \div 5 = 3$ _____

10 $3x = 45$ _____

11 $2x = 30$ _____

12 $6x = 36$ _____

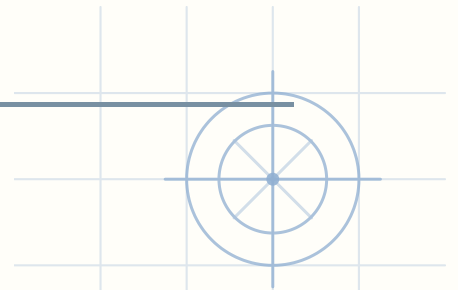


Solving equations — To 50

Name: _____

Date: _____

Solve each equation for x.



1 $5x + 3 = 43$ 8

2 $12x + 9 = 21$ _____

3 $7x + 4 = 32$ _____

4 $3x + 11 = 50$ _____

5 $5x - 15 = 35$ _____

6 $4x - 17 = 31$ _____

7 $6x - 21 = 15$ _____

8 $6x - 10 = 8$ _____

9 $6x - 32 = 16$ _____

10 $7x + 32 = 46$ _____

11 $3x + 26 = 41$ _____

12 $5x - 16 = 34$ _____



Solving equations — To 50

Name: _____

Date: _____

Solve each equation for x.

1 $8x + 4 = 3x + 24$ 4

2 $9x + 14 = 6x + 38$ _____

3 $2x + 11 = x + 21$ _____

4 $5x + 50 = 10x + 10$ _____

5 $5x + 8 = x + 16$ _____

6 $8x + 26 = 12x + 6$ _____

7 $12x + 2 = 6x + 32$ _____

8 $2x + 17 = 5x + 14$ _____

9 $7x + 12 = 9x + 4$ _____

10 $12x + 13 = 11x + 25$ _____

11 $4x + 9 = 10x + 3$ _____

12 $x + 9 = 2x + 2$ _____



Power Pack · Solving equations — Answer key

One-step + and –

1. $x - 11 = 11 \rightarrow x = 22$

2. $x - 19 = 21 \rightarrow x = 40$

3. $45 - x = 26 \rightarrow x = 19$

4. $x + 14 = 34 \rightarrow x = 20$

5. $21 - x = 9 \rightarrow x = 12$

6. $50 - x = 18 \rightarrow x = 32$

7. $x + 40 = 47 \rightarrow x = 7$

8. $50 - x = 14 \rightarrow x = 36$

9. $x + 20 = 32 \rightarrow x = 12$

10. $x + 23 = 36 \rightarrow x = 13$

11. $x + 26 = 40 \rightarrow x = 14$

12. $x + 29 = 31 \rightarrow x = 2$

One-step $\times$ and $\div$

1. $8x = 40 \rightarrow x = 5$

2. $x \div 4 = 4 \rightarrow x = 16$

3. $3x = 36 \rightarrow x = 12$

4. $8x = 32 \rightarrow x = 4$

5. $x \div 10 = 5 \rightarrow x = 50$

6. $x \div 2 = 12 \rightarrow x = 24$

7. $x \div 5 = 7 \rightarrow x = 35$

8. $x \div 3 = 3 \rightarrow x = 9$

9. $x \div 5 = 3 \rightarrow x = 15$

10. $3x = 45 \rightarrow x = 15$

11. $2x = 30 \rightarrow x = 15$

12. $6x = 36 \rightarrow x = 6$

Two-step

1. $5x + 3 = 43 \rightarrow x = 8$

2. $12x + 9 = 21 \rightarrow x = 1$

3. $7x + 4 = 32 \rightarrow x = 4$

4. $3x + 11 = 50 \rightarrow x = 13$

5. $5x - 15 = 35 \rightarrow x = 10$

6. $4x - 17 = 31 \rightarrow x = 12$

7. $6x - 21 = 15 \rightarrow x = 6$

8. $6x - 10 = 8 \rightarrow x = 3$

9. $6x - 32 = 16 \rightarrow x = 8$

10. $7x + 32 = 46 \rightarrow x = 2$

11. $3x + 26 = 41 \rightarrow x = 5$

12. $5x - 16 = 34 \rightarrow x = 10$

x on both sides

1. $8x + 4 = 3x + 24 \rightarrow x = 4$

2. $9x + 14 = 6x + 38 \rightarrow x = 8$

3. $2x + 11 = x + 21 \rightarrow x = 10$

4. $5x + 50 = 10x + 10 \rightarrow x = 8$

5. $5x + 8 = x + 16 \rightarrow x = 2$

6. $8x + 26 = 12x + 6 \rightarrow x = 5$

7. $12x + 2 = 6x + 32 \rightarrow x = 5$

8. $2x + 17 = 5x + 14 \rightarrow x = 1$

9. $7x + 12 = 9x + 4 \rightarrow x = 4$

10. $12x + 13 = 11x + 25 \rightarrow x = 12$

11. $4x + 9 = 10x + 3 \rightarrow x = 1$

12. $x + 9 = 2x + 2 \rightarrow x = 7$

