Math Practice - Grade 6

M9 Equations and inequalities - Solve x + p = q

M9 6.EE.B.5, 6.EE.B.6, 6.EE.B.7, 6.EE.B.8

Name: _____ Date: _____

Solve the equation. Write the value of x in the box.

Example: Solve x + 11 = 24.

How: Undo the addition by subtracting the same number from both sides. What you do to one side, you must do to the other.

$x + 11 = 24 \quad x =$ 13

1 **Solve x + 10 = 22.**

$x + 10 = 22 \quad x =$ ☐

2 **Solve x + 3 = 23.**

$x + 3 = 23 \quad x =$ ☐

3 **Solve x + 3 = 4.**

$x + 3 = 4 \quad x =$ ☐

4 **Solve x + 12 = 23.**

$x + 12 = 23 \quad x =$ ☐

5 **Solve x + 7 = 19.**

$x + 7 = 19 \quad x =$ ☐

6 **Solve x + 6 = 13.**

$x + 6 = 13 \quad x =$ ☐

7 **Solve x + 11 = 17.**

$x + 11 = 17 \quad x =$ ☐

8 **Solve x + 9 = 29.**

$x + 9 = 29 \quad x =$ ☐

9 **Solve x + 3 = 16.**

$x + 3 = 16 \quad x =$ ☐

10 **Solve x + 9 = 12.**

$x + 9 = 12 \quad x =$ ☐

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Name: _____ Date: _____

Solve the equation. Write the value of x in the box.

Example: Solve x + 3 = 21.

How: Undo the addition by subtracting the same number from both sides. What you do to one side, you must do to the other.

$x + 3 = 21 \quad x =$ 18

1 **Solve x + 9 = 13.**

$x + 9 = 13 \quad x =$ ☐

2 **Solve x + 7 = 27.**

$x + 7 = 27 \quad x =$ ☐

3 **Solve x + 7 = 17.**

$x + 7 = 17 \quad x =$ ☐

4 **Solve x + 11 = 30.**

$x + 11 = 30 \quad x =$ ☐

5 **Solve x + 2 = 8.**

$x + 2 = 8 \quad x =$ ☐

6 **Solve x + 10 = 11.**

$x + 10 = 11 \quad x =$ ☐

7 **Solve x + 10 = 15.**

$x + 10 = 15 \quad x =$ ☐

8 **Solve x + 8 = 15.**

$x + 8 = 15 \quad x =$ ☐

9 **Solve x + 4 = 22.**

$x + 4 = 22 \quad x =$ ☐

10 **Solve x + 9 = 14.**

$x + 9 = 14 \quad x =$ ☐

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Name: _____ Date: _____

Solve the equation. Write the value of x in the box.

Example: Solve x + 6 = 23.

How: Undo the addition by subtracting the same number from both sides. What you do to one side, you must do to the other.

$x + 6 = 23 \quad x =$ 17

1 **Solve x + 10 = 18.**

$x + 10 = 18 \quad x =$ ☐

2 **Solve x + 12 = 27.**

$x + 12 = 27 \quad x =$ ☐

3 **Solve x + 7 = 11.**

$x + 7 = 11 \quad x =$ ☐

4 **Solve x + 11 = 19.**

$x + 11 = 19 \quad x =$ ☐

5 **Solve x + 7 = 10.**

$x + 7 = 10 \quad x =$ ☐

6 **Solve x + 8 = 22.**

$x + 8 = 22 \quad x =$ ☐

7 **Solve x + 8 = 13.**

$x + 8 = 13 \quad x =$ ☐

8 **Solve x + 9 = 21.**

$x + 9 = 21 \quad x =$ ☐

9 **Solve x + 4 = 6.**

$x + 4 = 6 \quad x =$ ☐

10 **Solve x + 12 = 17.**

$x + 12 = 17 \quad x =$ ☐