Math Practice - Grade 7

M6 Equations and inequalities - Solve px + q = r

M6 7.EE.3, 7.EE.4, 7.EE.4a, 7.EE.4b

Name: _____ Date: _____

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

Example: Solve 9x + 3 = 93.

How: Undo the operations in reverse order: subtract or add the constant first, then divide by the coefficient. What you do to one side, you must do to the other.

x = 10

1 **Solve 4x + 16 = 28.**

x = ☐

2 **Solve 10x + 7 = 37.**

x = ☐

3 **Solve 10x + 7 = 77.**

x = ☐

4 **Solve 6x + 12 = 36.**

x = ☐

5 **Solve 10x + 18 = 118.**

x = ☐

6 **Solve 10x + 1 = 101.**

x = ☐

7 **Solve 4x + 20 = 68.**

x = ☐

8 **Solve 10x + 9 = 119.**

x = ☐

9 **Solve 7x + 8 = 22.**

x = ☐

10 **Solve 7x + 19 = 40.**

x = ☐

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Name: _____ Date: _____

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

Example: Solve 4x + 12 = 20.

How: Undo the operations in reverse order: subtract or add the constant first, then divide by the coefficient. What you do to one side, you must do to the other.

x = 2

1 **Solve 10x + 8 = 28.**

x = ☐

2 **Solve 7x + 12 = 75.**

x = ☐

3 **Solve 6x + 17 = 65.**

x = ☐

4 **Solve 2x + 14 = 32.**

x = ☐

5 **Solve 8x + 16 = 112.**

x = ☐

6 **Solve 8x + 13 = 61.**

x = ☐

7 **Solve 8x + 5 = 53.**

x = ☐

8 **Solve 9x + 17 = 35.**

x = ☐

9 **Solve 8x + 15 = 79.**

x = ☐

10 **Solve 6x + 8 = 68.**

x = ☐

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Name: _____ Date: _____

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

Example: Solve 8x + 16 = 56.

How: Undo the operations in reverse order: subtract or add the constant first, then divide by the coefficient. What you do to one side, you must do to the other.

x = 5

1 **Solve 12x + 1 = 61.**

x = ☐

2 **Solve 7x + 17 = 66.**

x = ☐

3 **Solve 2x + 10 = 28.**

x = ☐

4 **Solve 9x + 9 = 72.**

x = ☐

5 **Solve 7x + 15 = 50.**

x = ☐

6 **Solve 12x + 15 = 51.**

x = ☐

7 **Solve 10x + 17 = 97.**

x = ☐

8 **Solve 11x + 1 = 78.**

x = ☐

9 **Solve 7x + 5 = 12.**

x = ☐

10 **Solve 6x + 20 = 50.**

x = ☐