

CRAFT

Show All Your Working Out

Re-Teach

1.
Solve for x: $x + 7 = 15$
2.
Solve for y: $3y = 21$
3.
Solve for a: $2a - 5 = 11$
4.
Solve for b: $b/4 + 2 = 5$
5.
Solve for n: $3n + 1 = 2n + 7$

Consolidate

1.
Solve for x: $5x - 8 = 22$
2.
Solve for y: $4(y + 3) = 32$
3.
Solve for a: $2(3a - 1) = 16$
4.
Solve for b: $5b + 3 = 2b + 15$
5.
Solve for m: $4m - 7 = m + 11$

Master

1.
Solve for x: $3(2x - 5) + 4 = 19$
2.
Solve for y: $2(y + 3) - 3(y - 1) = 11$
3.
Solve the simultaneous equations: $x + y = 10$ and $x - y = 2$
4.
Solve the simultaneous equations: $2a + b = 11$ and $a - b = 4$
5.
Solve the simultaneous equations: $3p + 2q = 16$ and $2p + q = 9$

Answers

Re-Teach Answers

1.

$$x = 15 - 7 = 8$$

2.

$$y = 21 \div 3 = 7$$

3.

$$2a = 11 + 5, 2a = 16, a = 8$$

4.

$$b/4 = 5 - 2, b/4 = 3, b = 3 \times 4 = 12$$

5.

$$3n - 2n = 7 - 1, n = 6$$

Consolidate Answers

1.

$$5x = 22 + 8, 5x = 30, x = 6$$

2.

$$4y + 12 = 32, 4y = 32 - 12, 4y = 20, y = 5$$

3.

$$6a - 2 = 16, 6a = 16 + 2, 6a = 18, a = 3$$

4.

$$5b - 2b = 15 - 3, 3b = 12, b = 4$$

5.

$$4m - m = 11 + 7, 3m = 18, m = 6$$

Master Answers

1.

$$6x - 15 + 4 = 19, 6x - 11 = 19, 6x = 30, x = 5$$

2.

$$2y + 6 - 3y + 3 = 11, -y + 9 = 11, -y = 2, y = -2$$

3.

Adding the equations: $2x = 12, x = 6$. Substituting: $6 + y = 10, y = 4$. Solution: $x = 6, y = 4$

4.

Adding the equations: $3a = 15, a = 5$. Substituting: $5 - b = 4, b = 1$. Solution: $a = 5, b = 1$

5.

From second equation: $q = 9 - 2p$. Substituting: $3p + 2(9 - 2p) = 16, 3p + 18 - 4p = 16, -p = -2, p = 2$. Then $q = 9 - 2(2) = 5$. Solution: $p = 2, q = 5$