Solutions – Creating an Equation (A)

Emma packs coins into boxes of 4. Let a be the number of boxes. If there are 32 coins, write an equation.

$4a = 32$

Sarah gives away 11 stickers and ends with 9. Let t be the starting amount. Write an equation.

$t - 11 = 9$

Emma gives away 11 marbles and ends with 15. Let a be the starting amount. Write an equation.

$a - 11 = 15$

Mia has t books. After buying 11, define t as the starting amount. Total becomes 13. Write an equation.

$t + 11 = 13$

Noah packs stickers into boxes of 2. Let x be the number of boxes. If there are 18 stickers, write an equation.

$2x = 18$

Tom has t coins. After buying 12, define t as the starting amount. Total becomes 15. Write an equation.

$t + 12 = 15$

Solutions – Creating an Equation (B)

Sarah packs stickers into boxes of 5. Let t be the number of boxes. If there are 45 stickers, write an equation.

$5t = 45$

Sarah gives away 3 apples and ends with 2. Let t be the starting amount. Write an equation.

$t - 3 = 2$

Noah has d apples. After buying 12, define d as the starting amount. Total becomes 15. Write an equation.

$d + 12 = 15$

Emma gives away 9 pencils and ends with 11. Let t be the starting amount. Write an equation.

$t - 9 = 11$

Tom has x books. After buying 4, define x as the starting amount. Total becomes 7. Write an equation.

$x + 4 = 7$

Noah packs marbles into boxes of 9. Let x be the number of boxes. If there are 63 marbles, write an equation.

$9x = 63$

Solutions – Creating an Equation (C)

Liam has b coins. After buying 9, define b as the starting amount. Total becomes 22. Write an equation.

$b + 9 = 22$

Noah gives away 9 coins and ends with 14. Let b be the starting amount. Write an equation.

$b - 9 = 14$

Ava has d coins. After buying 12, define d as the starting amount. Total becomes 23. Write an equation.

$d + 12 = 23$

Emma packs pencils into boxes of 5. Let a be the number of boxes. If there are 45 pencils, write an equation.

$5a = 45$

Jack packs pencils into boxes of 5. Let a be the number of boxes. If there are 25 pencils, write an equation.

$5a = 25$

Ava gives away 5 apples and ends with 8. Let x be the starting amount. Write an equation.

$x - 5 = 8$

Solutions – Creating an Equation (D)

Liam has t apples. After buying 4, define t as the starting amount. Total becomes 6. Write an equation.

$t + 4 = 6$

Noah packs marbles into boxes of 4. Let d be the number of boxes. If there are 28 marbles, write an equation.

$4d = 28$

Ava has d books. After buying 2, define d as the starting amount. Total becomes 7. Write an equation.

$d + 2 = 7$

Ava gives away 15 coins and ends with 7. Let y be the starting amount. Write an equation.

$y - 15 = 7$

Mia gives away 12 pencils and ends with 15. Let y be the starting amount. Write an equation.

$y - 12 = 15$

Jack packs coins into boxes of 8. Let t be the number of boxes. If there are 24 coins, write an equation.

$8t = 24$

Solutions – Creating an Equation (E)

Emma has d pencils. After buying 9, define d as the starting amount. Total becomes 22. Write an equation.

$d + 9 = 22$

Emma gives away 15 coins and ends with 13. Let b be the starting amount. Write an equation.

$b - 15 = 13$

Noah packs marbles into boxes of 8. Let y be the number of boxes. If there are 16 marbles, write an equation.

$8y = 16$

Emma has b apples. After buying 2, define b as the starting amount. Total becomes 17. Write an equation.

$b + 2 = 17$

Mia packs apples into boxes of 2. Let x be the number of boxes. If there are 14 apples, write an equation.

$2x = 14$

Emma gives away 4 books and ends with 13. Let a be the starting amount. Write an equation.

$a - 4 = 13$

Solutions – Creating an Equation (F)

Noah has b marbles. After buying 13, define b as the starting amount. Total becomes 18. Write an equation.

$b + 13 = 18$

Tom has y coins. After buying 9, define y as the starting amount. Total becomes 11. Write an equation.

$y + 9 = 11$

Tom gives away 4 stickers and ends with 12. Let d be the starting amount. Write an equation.

$d - 4 = 12$

Tom gives away 11 stickers and ends with 9. Let y be the starting amount. Write an equation.

$y - 11 = 9$

Emma packs stickers into boxes of 7. Let a be the number of boxes. If there are 42 stickers, write an equation.

$7a = 42$

Tom packs stickers into boxes of 3. Let d be the number of boxes. If there are 18 stickers, write an equation.

$3d = 18$

Solutions – Creating an Equation (G)

Mia packs stickers into boxes of 4. Let y be the number of boxes. If there are 44 stickers, write an equation.

$4y = 44$

Jack has t coins. After buying 15, define t as the starting amount. Total becomes 28. Write an equation.

$t + 15 = 28$

Tom packs stickers into boxes of 2. Let t be the number of boxes. If there are 12 stickers, write an equation.

$2t = 12$

Jack has a pencils. After buying 14, define a as the starting amount. Total becomes 16. Write an equation.

$a + 14 = 16$

Emma gives away 3 apples and ends with 3. Let b be the starting amount. Write an equation.

$b - 3 = 3$

Mia gives away 13 stickers and ends with 4. Let y be the starting amount. Write an equation.

$y - 13 = 4$

Solutions – Creating an Equation (H)

Tom has y marbles. After buying 4, define y as the starting amount. Total becomes 17. Write an equation.

$y + 4 = 17$

Ava gives away 5 pencils and ends with 12. Let b be the starting amount. Write an equation.

$b - 5 = 12$

Tom packs coins into boxes of 9. Let x be the number of boxes. If there are 108 coins, write an equation.

$9x = 108$

Jack has x books. After buying 9, define x as the starting amount. Total becomes 23. Write an equation.

$x + 9 = 23$

Liam gives away 6 books and ends with 12. Let x be the starting amount. Write an equation.

$x - 6 = 12$

Liam packs books into boxes of 10. Let d be the number of boxes. If there are 110 books, write an equation.

$10d = 110$

Solutions – Creating an Equation (I)

Ava gives away 15 marbles and ends with 4. Let d be the starting amount. Write an equation.

$d - 15 = 4$

Emma gives away 5 marbles and ends with 8. Let b be the starting amount. Write an equation.

$b - 5 = 8$

Ava has t stickers. After buying 3, define t as the starting amount. Total becomes 10. Write an equation.

$t + 3 = 10$

Jack packs marbles into boxes of 6. Let a be the number of boxes. If there are 72 marbles, write an equation.

$6a = 72$

Jack packs marbles into boxes of 9. Let d be the number of boxes. If there are 63 marbles, write an equation.

$9d = 63$

Liam has t coins. After buying 8, define t as the starting amount. Total becomes 22. Write an equation.

$t + 8 = 22$

Solutions – Creating an Equation (J)

Jack has x books. After buying 2, define x as the starting amount. Total becomes 6. Write an equation.

$x + 2 = 6$

Emma packs apples into boxes of 2. Let y be the number of boxes. If there are 10 apples, write an equation.

$2y = 10$

Sarah has d books. After buying 11, define d as the starting amount. Total becomes 17. Write an equation.

$d + 11 = 17$

Emma gives away 2 marbles and ends with 10. Let t be the starting amount. Write an equation.

$t - 2 = 10$

Noah gives away 10 apples and ends with 9. Let x be the starting amount. Write an equation.

$x - 10 = 9$

Jack packs pencils into boxes of 2. Let a be the number of boxes. If there are 16 pencils, write an equation.

$2a = 16$