

Solutions – Forming an Equation (A)

Chloe packs books into boxes of 9. There are 36 books in total.

Form an equation using c for the number of boxes.

$$9c = 36$$

Noah shares 84 pencils equally among c people. Each person gets 7 pencils. Form an equation.

$$84 / c = 7$$

Jack has b tickets. After selling 10 of them, he now has 7 tickets left.

Form an equation.

$$b - 10 = 7$$

Grace has x notebooks and sells y of them. She now has 16 notebooks left. Form an equation.

$$x - y = 16$$

Emma has c cards and buys d more. She now has 28 cards in total.

Form an equation.

$$c + d = 28$$

Ethan has a balloons. After buying 2 more, he now has 13 balloons in total. Form an equation.

$$a + 2 = 13$$

Solutions – Forming an Equation (B)

Jack has y stickers. After selling 4 of them, he now has 4 stickers left. Form an equation.

$$y - 4 = 4$$

Noah has c pencils and sells d of them. He now has 15 pencils left. Form an equation.

$$c - d = 15$$

Sarah has c apples. After buying 6 more, she now has 17 apples in total. Form an equation.

$$c + 6 = 17$$

Grace has x notebooks and buys y more. She now has 15 notebooks in total. Form an equation.

$$x + y = 15$$

Ethan packs oranges into boxes of 7. There are 21 oranges in total. Form an equation using c for the number of boxes.

$$7c = 21$$

Mia shares 80 cups equally among x people. Each person gets 10 cups. Form an equation.

$$80 / x = 10$$

Solutions – Forming an Equation (C)

Sarah shares 20 coins equally among a people. Each person gets 2 coins. Form an equation.

$$20 / a = 2$$

Ethan has a books and buys b more. He now has 15 books in total. Form an equation.

$$a + b = 15$$

Ava has x tickets. After selling 7 of them, she now has 6 tickets left. Form an equation.

$$x - 7 = 6$$

Chloe has x notebooks. After buying 4 more, she now has 16 notebooks in total. Form an equation.

$$x + 4 = 16$$

Grace packs balloons into boxes of 8. There are 16 balloons in total. Form an equation using a for the number of boxes.

$$8a = 16$$

Mia has x cards and sells y of them. She now has 16 cards left. Form an equation.

$$x - y = 16$$

Solutions – Forming an Equation (D)

Sarah has y cards. After buying 4 more, she now has 11 cards in total. Form an equation.

$$y + 4 = 11$$

Tom shares 50 coins equally among a people. Each person gets 5 coins. Form an equation.

$$50 / a = 5$$

Noah has c tickets and buys d more. He now has 14 tickets in total. Form an equation.

$$c + d = 14$$

Ethan has x cups. After selling 11 of them, he now has 9 cups left. Form an equation.

$$x - 11 = 9$$

Lucas has a stickers and sells b of them. He now has 13 stickers left. Form an equation.

$$a - b = 13$$

Ava packs books into boxes of 3. There are 6 books in total. Form an equation using x for the number of boxes.

$$3x = 6$$

Solutions – Forming an Equation (E)

Sarah has y notebooks. After buying 12 more, she now has 16 notebooks in total. Form an equation.

$$y + 12 = 16$$

Noah packs books into boxes of 2. There are 22 books in total. Form an equation using x for the number of boxes.

$$2x = 22$$

Mia has x tickets and sells y of them. She now has 17 tickets left. Form an equation.

$$x - y = 17$$

Tom shares 8 pencils equally among x people. Each person gets 4 pencils. Form an equation.

$$8 / x = 4$$

Jack has x stickers and buys y more. He now has 26 stickers in total. Form an equation.

$$x + y = 26$$

Ava has b balloons. After selling 5 of them, she now has 7 balloons left. Form an equation.

$$b - 5 = 7$$

Solutions – Forming an Equation (F)

Emma has x coins and sells y of them. She now has 13 coins left.

Form an equation.

$$x - y = 13$$

Sarah has c tickets and buys d more. She now has 26 tickets in total.

Form an equation.

$$c + d = 26$$

Grace has a marbles. After buying 5 more, she now has 17 marbles in total. Form an equation.

$$a + 5 = 17$$

Ethan packs cards into boxes of 3. There are 36 cards in total. Form an equation using x for the number of boxes.

$$3x = 36$$

Noah shares 20 balloons equally among x people. Each person gets 4 balloons. Form an equation.

$$20 / x = 4$$

Ava has y stickers. After selling 5 of them, she now has 10 stickers left. Form an equation.

$$y - 5 = 10$$

Solutions – Forming an Equation (G)

Ethan has x apples. After selling 3 of them, he now has 5 apples left.

Form an equation.

$$x - 3 = 5$$

Jack has a stickers and sells b of them. He now has 9 stickers left.

Form an equation.

$$a - b = 9$$

Liam shares 99 books equally among c people. Each person gets 9 books. Form an equation.

$$99 / c = 9$$

Lucas packs notebooks into boxes of 2. There are 24 notebooks in total. Form an equation using c for the number of boxes.

$$2c = 24$$

Sarah has x coins and buys y more. She now has 30 coins in total.

Form an equation.

$$x + y = 30$$

Ava has y balloons. After buying 9 more, she now has 14 balloons in total. Form an equation.

$$y + 9 = 14$$

Solutions – Forming an Equation (H)

Noah has x balloons and buys y more. He now has 12 balloons in total. Form an equation.

$$x + y = 12$$

Mia has c cups and sells d of them. She now has 9 cups left. Form an equation.

$$c - d = 9$$

Liam shares 12 books equally among c people. Each person gets 2 books. Form an equation.

$$12 / c = 2$$

Ethan has b apples. After buying 9 more, he now has 18 apples in total. Form an equation.

$$b + 9 = 18$$

Grace packs stickers into boxes of 7. There are 49 stickers in total. Form an equation using c for the number of boxes.

$$7c = 49$$

Chloe has x notebooks. After selling 12 of them, she now has 6 notebooks left. Form an equation.

$$x - 12 = 6$$

Solutions – Forming an Equation (I)

Mia shares 18 stickers equally among c people. Each person gets 3 stickers. Form an equation.

$$18 / c = 3$$

Chloe has x books and sells y of them. She now has 7 books left. Form an equation.

$$x - y = 7$$

Noah packs balloons into boxes of 5. There are 25 balloons in total. Form an equation using a for the number of boxes.

$$5a = 25$$

Ethan has x oranges and buys y more. He now has 19 oranges in total. Form an equation.

$$x + y = 19$$

Tom has d cups. After buying 9 more, he now has 21 cups in total. Form an equation.

$$d + 9 = 21$$

Emma has b tickets. After selling 7 of them, she now has 9 tickets left. Form an equation.

$$b - 7 = 9$$

Solutions – Forming an Equation (J)

Sarah packs marbles into boxes of 6. There are 66 marbles in total.

Form an equation using x for the number of boxes.

$$6x = 66$$

Mia has d oranges. After buying 2 more, she now has 5 oranges in total. Form an equation.

$$d + 2 = 5$$

Ava has c books and sells d of them. She now has 15 books left.

Form an equation.

$$c - d = 15$$

Tom has b coins. After selling 4 of them, he now has 5 coins left.

Form an equation.

$$b - 4 = 5$$

Lucas has c apples and buys d more. He now has 28 apples in total.

Form an equation.

$$c + d = 28$$

Jack shares 30 notebooks equally among c people. Each person gets 6 notebooks. Form an equation.

$$30 / c = 6$$