

Solving Linear Equations

Work assignment: Solve the tasks below in order!

Level 1:

a) $7 = x + 2$

b) $8 = 2x + 2$

c) $6 = 5x + 1$

Level 2:

d) $8 + 3x = 5x$

e) $4x + 2 = 3x + 5$

f) $5x + 3 = 2x + 9$

Level 3:

g) On one side of a beam balance there is a matchbox and six matches. On the other side are two matchboxes and two matches. In all boxes there is the same amount of matches and the balance is in equilibrium.

How many matches are in the box?

Hint: The weight of the matchboxes does not matter.

h) Lisa has 2 stickers in her album. She gets some stickers from her friend Tom, so that she has four times as many stickers as before.

How many stickers did Lisa get?

i) There are a total of nine apples and pears in a fruit basket. There are three more apples than pears in the basket.

How many apples and how many pears are in the basket?