

ALGEBRA HOMEWORK ACTIVITY PACK

11
PACKS

for GCSE Foundation Maths

Solving Linear Equations with an Unknown on One Side Home Learning

Remember:

- Always use trial and improvement to solve equations.
- Always double check your answer by substituting the numbers back in to the original equation.
- If your answer isn't an integer, leave it as a fraction.

Solving Linear Simultaneous Equations 1 Home Learning

Remember:

- Always use trial and improvement to solve simultaneous equations.
- Always double check your answer by substituting the numbers back in to the original equations.

1. Solve the following pairs of simultaneous equations:

a. $2x + y = 27$
 $2x + y = 29$

b. $2x + 6y = 14$
 $2x + y = 27$

c. $5x + y = 27$
 $2x + y = 22$

d. $2x + 2y = 2$
 $2x + 2y = 2$

e. $2x + 2y = 2$
 $2x + 2y = 2$

f. $4x + 2y = 18$
 $2x + 2y = 2$

2. Solve the simultaneous equations:

$4x + 2y = 14$
 $2x + 2y = 2$

3. Four bags of computer games and 3 CDs cost £40. No bag is £7.

Michelle buys 2 computer games and 3 CDs and she pays for £24.

Let x represent the price of a computer game and y represent the price of a CD. Form a pair of simultaneous equations and solve them to find the cost of a computer game and the cost of a CD. Check your answer is correct.

Solving Linear Simultaneous Equations 2 Home Learning

Remember:

- Always use trial and improvement to solve simultaneous equations.
- Always double check your answer by substituting the numbers back in to the original equations.

1. Solve the following pairs of simultaneous equations:

a. $2x + 2y = 14$
 $2x + y = 7$

b. $4x + 2y = 14$
 $2x + y = 14$

c. $2x + 2y = 14$
 $x + 2y = 2$

d. $x + y = 27$
 $5x + 2y = 14$

e. $2x + 4y = 27$
 $2x + 2y = 14$

f. $2x + 2y = 28$
 $x + y = 2$

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