

# Simultaneous Equations

## November 2023 Paper 2

- 14** 3 kg of flour costs £4.05  
5 kg of flour and 6 kg of sugar cost £11.85

Work out the cost of 2 kg of flour and 5 kg of sugar.

£.....

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**(Total for Question 14 is 4 marks)**

## November 2021 Paper 1

- 14** 3 kg of carrots cost £1.80  
2 kg of carrots and 5 kg of potatoes cost a total of £3.45

Work out the total cost of 4 kg of carrots and 2 kg of potatoes.  
You must show all your working.

£.....

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**(Total for Question 14 is 4 marks)**

## November 2022 Paper 3

- 15** 2.5 kg of onions and 2 kg of carrots cost a total of £2.36  
3 kg of carrots cost £1.74

Stuart has £2

He wants to buy 4 kg of onions.

Does Stuart have enough money to buy 4 kg of onions?

You must show how you get your answer.

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**(Total for Question 15 is 5 marks)**

## November 2024 Paper 1

- 16** 1 cup of tea and 1 cup of coffee cost £4.50  
3 cups of tea and 1 cup of coffee cost £8.50

Work out the total cost of 4 cups of tea and 3 cups of coffee.  
You must show all your working.

£.....

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**(Total for Question 16 is 5 marks)**

## June 2022 Paper 2

28 Solve the simultaneous equations

$$5x + 2y = 27$$

$$6x + 4y = 28$$

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

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**(Total for Question 28 is 3 marks)**

November 2023 Paper 2

30 Solve the simultaneous equations

$$3x + y = -4.5$$

$$4x + 3y = -3.5$$

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

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**(Total for Question 30 is 3 marks)**