

For each lesson please follow the link to Oak National Academy and watch the video, complete any worksheets and exit quiz.

Year 9

Week 1 – Maths ALEGBRA

Solving linear simultaneous equations algebraically

# A Place in Time

**Monday**

## Lesson 1 – Reviewing solving equations

In this lesson you will review how to solve equations.

<https://classroom.thenational.academy/lessons/reviewing-solving-equations-6mr30c>

**TASKS: -**

1. Watch the video of the lesson
2. Download the worksheet and complete the tasks
3. What have you learnt? Complete the exit quiz

Understanding and accepting that everything exists in time and place, and acknowledging that there are differences between people, places and objects and that things can change over time.

**Tuesday**

## Lesson 2 – Equivalent equations

In this lesson you will explore equivalent equations and how these can be used to solve equations.

<https://classroom.thenational.academy/lessons/equivalent-equations-c5h3jd>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

**Wednesday**

## Lesson 3 – Linear relationships

In this lesson you will learn how to use relationships between linear sequences to find new sequences.

<https://classroom.thenational.academy/lessons/linear-relationships-chj64c>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

**Thursday**

## Lesson 4 – Combining algebraic relationships

In this lesson, you will learn to use equivalence to combine algebraic relationships.

<https://classroom.thenational.academy/lessons/factorising-expressions-cmw62e>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

**Friday**

## Lesson 5 – Exploring equations with two variables

In this lesson you will explore expressions with two variables

<https://classroom.thenational.academy/lessons/exploring-expressions-with-two-variables-c5hk6r>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

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Year 9

Week 2 – Maths ALGEBRA

Solving linear simultaneous equations algebraically

# A Place in Time

**Monday**

## Lesson 6 – Exploring systems of equations

In this session you will explore systems of equations

<https://classroom.thenational.academy/lessons/exploring-systems-of-equations-chjp6e>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Understanding and accepting that everything exists in time and place, and acknowledging that there are differences between people, places and objects and that things can change over time.

**Tuesday**

## Lesson 7 – Solving simultaneous equations

In this session you will solve a worded simultaneous equation  
<https://classroom.thenational.academy/lessons/solving-simultaneous-equations-6dgp4c>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

**Wednesday**

## Lesson 8 – Writing simultaneous equations algebraically

In this lesson, you will learn to write worded equations algebraically.

<https://classroom.thenational.academy/lessons/writing-simultaneous-equations-algebraically-crrp8d>

**TASKS: -**

1. Begin with introduction quiz
2. Watch the video lesson
3. Download the worksheet and complete the tasks
4. Complete the exit quiz

**Thursday**

## Lesson 9 – Checking the solutions of simultaneous equations

In this lesson, you will learn to check the solutions to simultaneous equations.

<https://classroom.thenational.academy/lessons/checking-the-solution-of-simultaneous-equations-64w3ar>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

**Friday**

## Lesson 10 – Solving simultaneous equations algebraically

In this lesson, you will learn to solve simultaneous equations algebraically.

<https://classroom.thenational.academy/lessons/solving-a-simultaneous-equation-algebraically-6gukjd>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

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Year 9

Week 3 – Maths ALGEBRA

Solving linear simultaneous equations algebraically

# A Place in Time

**Monday**

## Lesson 11 – Eliminating a variable

In this lesson you will determine how to eliminate a variable by adding or subtracting

<https://classroom.thenational.academy/lessons/eliminating-a-variable-75j3jc>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Understanding and accepting that everything exists in time and place, and acknowledging that there are differences between people, places and objects and that things can change over time.

**Tuesday**

## Lesson 12 – Manipulating systems of equations

In this lesson you will manipulate systems of equations in order to eliminate an unknown

<https://classroom.thenational.academy/lessons/manipulating-systems-of-equations-6nh3at>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

**Wednesday**

## Lesson 13 – Solving word problems

In this lesson, you will use simultaneous equations to solve word problems

<https://classroom.thenational.academy/lessons/solving-word-problems-c5j36e>

**TASKS: -**

1. Begin with introduction quiz
2. Watch the video lesson
3. Download the worksheet and complete the tasks
4. Complete the exit quiz

**Thursday**

## Lesson 14 – Using substitution to solve simultaneous equations

In this lesson, you will solve simultaneous equations using substitution

<https://classroom.thenational.academy/lessons/using-substitution-to-solve-simultaneous-equations-6rtp2d>

## Lesson 15 – Substitution or Elimination

In this lesson, you will compare the different ways to solve simultaneous equations

<https://classroom.thenational.academy/lessons/substitution-or-elimination-6ngk4d>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

**Friday**

## Lesson 16 – Simultaneous equations by trial and error

In this lesson, you will learn how to solve simultaneous equations by trial and error

<https://classroom.thenational.academy/lessons/simultaneous-equations-by-trial-and-error-cgt3et>

**TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz