

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

Year 7

Week 1 – Maths ALEGBRA

Expressions, equations and inequalities

A Place in Time

Monday

Lesson 1 – Algebraic expressions

In this lesson you will be introduced to algebraic notation and learn how to evaluate and substitute into expressions.

<https://classroom.thenational.academy/lessons/algebraic-expressions-71gp2t>

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 – Collecting like terms

In this lesson you will learn to collect together like terms and manipulate linear expressions.

<https://classroom.thenational.academy/lessons/collecting-like-terms-6tgk8r>

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 – Distributivity and expanding

In this lesson you will use the distributive property to expand brackets with linear expressions.

<https://classroom.thenational.academy/lessons/distributivity-and-expanding-cmr36t>

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 – Factorising expressions

In this lesson you will learn how to factorise basic linear expressions.

<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 – Forming and exploring equations

In this lesson you will learn the concept of an equation and use models to form equations

<https://classroom.thenational.academy/lessons/forming-and-exploring-equations-70r3gr>

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

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

Year 7

Week 2 – Maths ALGEBRA

Expressions, equations and inequalities

A Place in Time

Monday

Lesson 6 – Exploring equality

In this lesson you will form equations and explore how equality is preserved.

<https://classroom.thenational.academy/lessons/exploring-equality-60rkac>

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 – Inequalities

In this lesson you will use models to form inequalities.

<https://classroom.thenational.academy/lessons/inequalities-6ngkjc>

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 – Further inequalities

In this lesson you will learn how to form inequalities related to a known equation.

<https://classroom.thenational.academy/lessons/further-inequalities-70wp2c>

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 – Perimeter expressions

In this lesson you will learn how to form expressions using algebraic lengths and draw shapes given expressions for the perimeter.

<https://classroom.thenational.academy/lessons/perimeter-expressions-6mv3jt>

Lesson 10 – Perimeter inequalities

In this lesson you will learn how to establish inequalities from perimeter expressions.

<https://classroom.thenational.academy/lessons/perimeter-inequalities-cctkjt>

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 11 – Counting strategies

In this lesson you will generalise counting strategies algebraically for repeating patterns.

<https://classroom.thenational.academy/lessons/counting-strategies-crtk0t>

Lesson 12 – Growing tree patterns

In this lesson you will learn how to generalise counting strategies algebraically for different repeating patterns.

<https://classroom.thenational.academy/lessons/growing-tree-patterns-75h62t>

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