

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

Year 8

Week 1 – Maths ALEGBRA - Sequences

A Place in Time

Monday

Lesson 1 – Number grid sequences

In this lesson you will learn about finding sequences in number grids using multiples.

<https://classroom.thenational.academy/lessons/number-grid-sequences-cgvk8r>

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 – Tracking calculations

In this lesson you will learn about how to use tracking calculations to find numbers in number grid sequences.

<https://classroom.thenational.academy/lessons/tracking-calculations-c4rkec>

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 – Generalising arithmetic sequences through tracking calculations

In this lesson you will learn to use tracking calculations to generalise arithmetic sequences.

<https://classroom.thenational.academy/lessons/generalising-arithmetic-sequences-through-tracking-calculations-60vp4c>

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 – The nth term rule: Position-to-term for arithmetic sequences

In this lesson you will learn to find and understand the nth term rule for arithmetic sequences.

<https://classroom.thenational.academy/lessons/the-nth-term-rule-position-to-term-for-arithmetic-sequences-65h3gr>

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 – Descending arithmetic sequences

In this lesson you will learn to find the nth term rule for descending arithmetic sequences

<https://classroom.thenational.academy/lessons/descending-arithmetic-sequences-6rtked>

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 8

Week 2 – Maths ALGEBRA - Sequences

A Place in Time

Monday

Lesson 6 – Dot chain sequence

In this lesson you will learn how to group dot chains and generalise to find n-chains.

<https://classroom.thenational.academy/lessons/dot-chain-sequences-60t64t>

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 – Growing pattern sequences

In this lesson you will learn how to find terms in growing pattern sequences.

<https://classroom.thenational.academy/lessons/growing-pattern-sequences-70w32t>

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 – Finding the term –to – term rule

In this lesson you will learn how to find the term-to-term rule for a sequence.

<https://classroom.thenational.academy/lessons/finding-the-term-to-term-rule-6mwkgd>

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 – Algebra and problem solving
One Thousand and Eighty-Nine**

In this lesson we will investigate some number problems, especially focusing on the number 9

<https://classroom.thenational.academy/lessons/one-thousand-and-eighty-nine-6nhk6t>

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

Friday

**Lesson 10 – Algebra and problem solving
Pick a number**

In this lesson we will look at how different operations can affect the properties of a number

<https://classroom.thenational.academy/lessons/pick-a-number-64w34c>

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