

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 Number – Positive & Negative numbers

COMMUNITY

Monday

Lesson 1 Negative numbers in context

In this lesson you will interpret negative numbers in a variety of contexts and explore movement on an 'extended' number line.

<https://classroom.thenational.academy/lessons/negative-numbers-in-context-68t66c>

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

Appreciation of the value of belonging to a community where people and animals can live in harmony, and being aware of the online community and the opportunities and challenges this presents.

Tuesday

Lesson 2 – Order and absolute value

In this lesson you will learn to interpret the absolute value of a number and understand how to order negative numbers using inequality notation.

<https://classroom.thenational.academy/lessons/order-and-absolute-value-c4ukgd>

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 – Modelling Addition

By the end of this lesson you will be able to model addition of a positive number as a translation on the number line and use this model to develop strategies for addition.

<https://classroom.thenational.academy/lessons/modelling-addition-6rr6cd>

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 – Further Addition

In this lesson you will learn how to model addition of a negative number as a translation on the number line and explore what happens when two additive inverses are added together.

<https://classroom.thenational.academy/lessons/further-addition-6rwk2t>

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 – Subtracting positive numbers

In this lesson you will explore the relationship between subtracting positive numbers and adding additive inverses.

<https://classroom.thenational.academy/lessons/subtracting-positive-numbers-cdgp2c>

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 7

Week 2 – Maths Number – Positive & Negative numbers

COMMUNITY

Monday

Lesson 6 – Subtracting negative numbers

In this lesson you will explore subtracting negative numbers as the addition of the additive inverse.

<https://classroom.thenational.academy/lessons/subtracting-negative-numbers-75gk4e>

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

Appreciation of the value of belonging to a community where people and animals can live in harmony, and being aware of the online community and the opportunities and challenges this presents.

Tuesday

Lesson 7 – Multiplication as scaling

In this lesson you will explore multiplication involving at least one positive number and learn how it's possible to visualise multiplication as a stretch by a scale factor.

<https://classroom.thenational.academy/lessons/multiplication-as-scaling-6cvp2d>

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 – Negative scale factors

In this lesson you will learn about negative scale factors and explore the commutativity of multiplication.

<https://classroom.thenational.academy/lessons/negative-scale-factors-6rukad>

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 – Further Multiplication

By the end of this lesson you will be able to find the product of two negative numbers.

<https://classroom.thenational.academy/lessons/further-multiplication-ccukac>

Lesson 10 – Division

In this lesson you will explore a model for division

<https://classroom.thenational.academy/lessons/division-65k3qt>

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 – Further Division

In this lesson you will derive further division facts using 'fact families'.

<https://classroom.thenational.academy/lessons/further-division-6mwk6c>

Lesson 12 – Axioms and negative numbers

In this lesson you will practice negative number calculations, linking them to axioms.

<https://classroom.thenational.academy/lessons/axioms-and-negative-numbers-6cr30t>

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

