

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 Number – Accuracy and Estimation

# COMMUNITY

**Monday**

**Lesson 1 – Rounding numbers using a number line**

In this lesson we will learn how to use a number line to decide when to round up or down.

<https://classroom.thenational.academy/lessons/rounding-numbers-using-a-number-line-c9gp4r>

**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 – Rounding from a calculator; Approximating**

In this lesson, students will learn about approximation and how to use that to approximate answers to calculations

<https://classroom.thenational.academy/lessons/rounding-from-a-calculator-approximating-6dhkar>

**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 – Rounding to significant figures (part 1)**

In this lesson you will be introduced to significant figures and understand the concept of degrees of accuracy. You will also learn how to round whole numbers to a given significant figure.

<https://classroom.thenational.academy/lessons/rounding-to-significant-figures-part-1-64v6cc>

**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 – Rounding to significant figures (part 2)**

In this lesson, you will learn how to round decimal numbers to a given significant figure.

<https://classroom.thenational.academy/lessons/rounding-to-significant-figures-part-2-69jp4t>

**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 – Rounding and range**

In this lesson, you will learn about range when it comes to rounding numbers.

<https://classroom.thenational.academy/lessons/rounding-and-range-c9jp6r>

**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 8

Week 2 – Maths Number – Accuracy and Estimation

# COMMUNITY

**Monday**

**Lesson 6 – Upper and lower bound**

In this lesson, we will learn what upper and lower bound mean and how this links with range.

<https://classroom.thenational.academy/lessons/upper-and-lower-bound-6rup2d>

**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 – Solving problems with rounding**

In this lesson, you will learn how to solve problems working with lower and upper bounds to find maximum and minimum values.

<https://classroom.thenational.academy/lessons/solving-problems-with-rounding-71h3jd>

**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 – Estimation**

In this lesson, you will learn how to estimate and solve problems using estimation.

<https://classroom.thenational.academy/lessons/estimation-65j3ct>

**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 – Famous maths problems  
Goldbach's conjecture**

In this lesson, you will think about a famous unsolved Maths problem!

<https://classroom.thenational.academy/lessons/goldbachs-conjecture-ccu6ad>

**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 – Famous maths problems  
The Collatz Conjecture**

In this lesson, you will think about a famous unsolved Maths problem!

<https://classroom.thenational.academy/lessons/the-collatz-conjecture-60rk4c>

**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

