

Roman numerals

National Curriculum attainment target

- Read Roman numerals to 1000 (M) and recognise years in Roman numerals

Lesson objectives

- Read Roman numerals to 1000 (M)
- Recognise years in Roman numerals

Prerequisites for learning

Pupils need to:

- have some knowledge of Roman numerals 1 to 100
- have some knowledge of how the symbols are used

Vocabulary

Roman numerals

Success criteria

Pupils can:

- read a Roman numeral using given symbols
- use the symbols to write numbers up to 1000
- read years written with Roman numerals



Getting Started

- Choose an activity from Number – Number and place value.
- Choose a game or activity from *Fluency in Number Facts: Y5/Y6* – Number and place value.

Teach

Resources

mini whiteboard, pen and eraser (per child)

Collins
Connect
Year 5, Unit 9,
Week 1



- Ask: **What are Roman numerals? Write down any that you know.** Ask some pairs to share their ideas and numbers. Record any Roman numerals that the class know.



- Establish that the Roman system is not based on place value like our number system.

- Display: Slide 1.



- Say: **These are the Roman numerals up to 10. How did the Romans use the symbols to make their numbers?**



- Ask some pairs to share their ideas. Establish that symbols are repeated to make numbers. Symbols are never repeated more than three times.



- Ask: **What do you notice about Roman numerals for 4, 5 and 6?** Establish that they all use the symbol for 5. Say: **When the 1 symbol is put before 5 we know it means 1 less. When it is put after 5 we know it means 1 more.**



- Say: **This is an important feature of how Roman numerals are made up.**

- Display: Slide 2. Say: **We are going to look at the Roman numerals up to 1000 today and these are all the symbols we will need.**

- Say: **Let's start with some numbers you have covered before. Write the numbers from 20 to 30 in Roman numerals.**



- Write the numbers as a class, discussing the placing of the symbols. Say: **Remember all numbers are made by putting symbols together, repeating symbols and by using where the symbol is placed next to another symbol to show more or less.**



- Say: **Using the symbols, write all the multiples of 10 up to 100. You will need to use the symbol for 10, 50 and 100. Think of it as solving a puzzle, and working out where to put the pieces.**



- Display: Slide 3.

- Say: **Here are the tens numbers, from 10 to 100. Check your numbers: which ones did you work out correctly? Which ones were tricky?** Discuss any issues that have arisen.

- Repeat for finding the symbols for the multiples of 100 to 1000.

- Display: Slide 4. Check children's answers and discuss any issues that have arisen.



- Ask: **Why do you think there is a symbol for 500?** Share children's ideas. Establish that as symbols are not repeated more than three times, C could not be used for all the hundreds. So just like there is a symbol for 5, there is also a symbol for 500.

Display: Slide 2.

- Say: **Choose a number between 1 and 200. Write it as a Roman numeral. On the back of your board, secretly write the answer.**

- Say: **Show your numeral to your partner. Can they work out what number it is?**



- Display: Slide 5.

- Ask: **What are these numbers?** Ask some pairs to share their answers. Establish that they are 2014, 2015, 2016 and 2017.

- Say: **Sometimes years are written using Roman numerals, most often to show when a film or television programme was made.**



- Display: Slide 6.

- Say: **All the years beginning 2000 are simple to write. What year is this?**

- Work it out as a class. Establish that it is 1857.

Individualised Learning

Refer to Activity 4 from the Learning activities on page 353.

Pupil Book 5C: – Page 10: Roman numerals

Progress Guide 5: – Support, Year 5, Unit 9, Week 1, Lesson 4:
Missing numerals



Plenary

- Ask: **Do you think it is a good idea to write years in Roman numerals?** Children who worked on Challenge 3 will have already considered this question.
- Ask some pairs to share their ideas. Discuss the question as a class.
- Say: **Some people think that the years on films and television programmes are written in Roman numerals so that people cannot easily see how old they are.**
- Ask the class what they think about this.



Homework Guide 5

Year 5, Unit 9, Week 1, Lesson 4:
Writing Roman numerals