

## Max's Roman Numeral Market Challenge

*Learning objective: To read, write, and convert Roman numerals to 1,000 (M) and understand their use in historical contexts.*

Max the monkey is visiting an ancient Roman market. He needs your help to price the items correctly! Look at the price tags written in Roman numerals and convert them into our modern decimal numbers (Arabic numerals). Then, help Max calculate the total cost of his shopping basket.

*Word bank: I = 1 · V = 5 · X = 10 · L = 50 · C = 100 · D = 500 · M = 1000*

**1. Max finds a basket of apples marked 'XV'. How many pounds (£) does the basket cost in our number system? (2 marks)**

**2. A jar of honey is marked 'XL'. Convert this to our number system. If Max pays with a £50 note, how much change should he receive? (3 marks)**

**3. A scroll is marked 'CCXXV'. Write this number in digits. (2 marks)**

**4. Max buys a wooden toy for 'LXX' and a loaf of bread for 'XXX'. What is the total cost in our number system? (2 marks)**

**5. Write the number 444 using Roman numerals. Explain your thinking: why do we use subtraction in Roman numerals (e.g., IV for 4)? (4 marks)**

**Draw: Draw a Roman-style market stall sign for Max. Include at least three items for sale, each with a price tag written in Roman numerals.**



*Extension challenge: Research why we still see Roman numerals on clock faces or at the end of film credits. Write a short sentence explaining what year 'MMXXIV' represents.*