

## Max's Roman Numeral Challenge

*Learning objective: To read, write, and understand Roman numerals up to 1000 (M) and recognize years written in Roman numerals.*

Max the monkey has found an ancient stone tablet in the forest! Help him decode the symbols to solve these math puzzles. Remember: I=1, V=5, X=10, L=50, C=100, D=500, M=1000.

Max is looking at a series of carvings. He knows that if a smaller numeral appears before a larger one, you subtract it (like IV = 4). If a smaller numeral appears after a larger one, you add it (like VI = 6). Max has found these numbers: XC (90), CL (150), and DXX (520). He needs to record these in our modern number system to help Ellie the elephant document the history of the forest.

*Word bank: Numeral · Symbol · Value · Subtract · Addition · Ancient*

**1. Max sees the Roman numeral 'LXXV' carved into a tree. What is this number in our decimal system? (2 marks)**

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**2. Write the number 84 using Roman numerals. Show your working out. (2 marks)**

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**3. If an ancient pot is labelled 'CCXL', how many items are inside? (2 marks)**

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**4. Compare these two numbers using <, > or = symbols: CD versus DC. (2 marks)**

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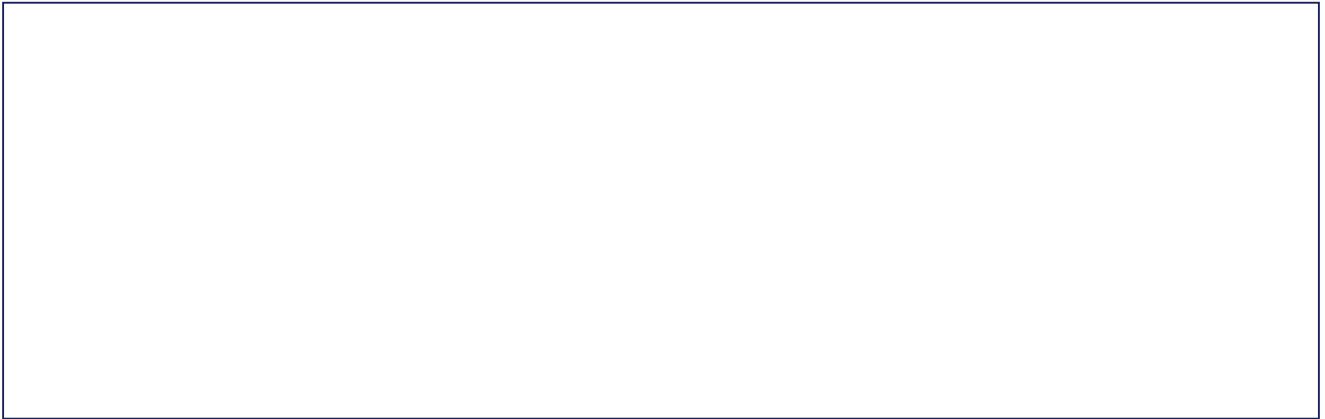
**5. Max finds a date carved in stone: MMXV. What year is this? (2 marks)**

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**Draw:** Draw a stone tablet and invent your own symbol for the number 5,000, then show how you would write the number 5,005 using your new symbol and standard Roman numerals.



*Extension challenge: Max has 500 gold coins (D). He spends 150 (CL) on supplies. Write his remaining total in Roman numerals and explain your calculation.*