

## Problem solving and reasoning questions

Write the current year in Roman numerals.  
Write next year and the year after too.

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Write the missing letters in this sequence of numbers:

LXIX, LXXIX, LXXXIX, □□IX, CIX, □□IX, □□□IX, □□□□IX,  
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Do this calculation using Arabic numbers:

$$3,496 + 5,514$$

Now do it using Roman numbers.  
What do you notice?

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Which Roman number <100 uses the most numerals? Is this the same as the amount of money <£1 that uses most coins?

## Problem solving and reasoning questions and answers

Write the current year in Roman numerals.

Write next year and the year after too.

MMXIX, MMXX, MMXXI

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Write the missing letters in this sequence of numbers:

LXIX, LXXIX, LXXXIX, XCIX, CIX, CXIX, CXXIX, CXXXIX,  
CXLIX

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Do this calculation using Arabic numbers:

$$3496 + 5514 = 9010$$

Now do it using Roman numbers.

What do you notice?

MMMCDXCVI +  $\overline{\text{V}}$  DXIV. Difficult to line up in columns and tricky without a zero!

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Which Roman number <100 uses the most numerals? Is this the same as the amount of money <£1 that uses most coins?

LXXXVIII (88)

88p needs a minimum of 6 coins 50p, 20p, 10p, 5p, 2p, 1p (as does 89p, 98p and 99p).