

Diving into Mastery



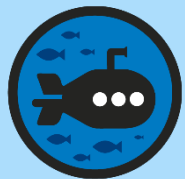
Roman Numerals to 1000

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



Diving



Deeper



Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

Aim

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



Correctly match the Roman numerals to the words and digits.

one hundred and fifty-three

CDXCV

826

four hundred and ninety-five

CLIII

503

five hundred and three

DCCCXXVI

495

eight hundred and twenty-six

DIII

153



Can you spot the mistakes?

Roman numerals	Digits
XCVII	97
CCXXXV	235
CDLXXVIII	478
DVI	506
DCCCXIV	814
CMLXXXII	982

Roman Numerals to 1000

Deeper



Julius and Portia have gone out for a meal. The cost of the meal is CDLXIV in gold money. They have decided to split the bill and pay half each. How much will this be and can you write the amount in Roman numerals?

The cost of the meal is CDLXIV in gold money which is 464.

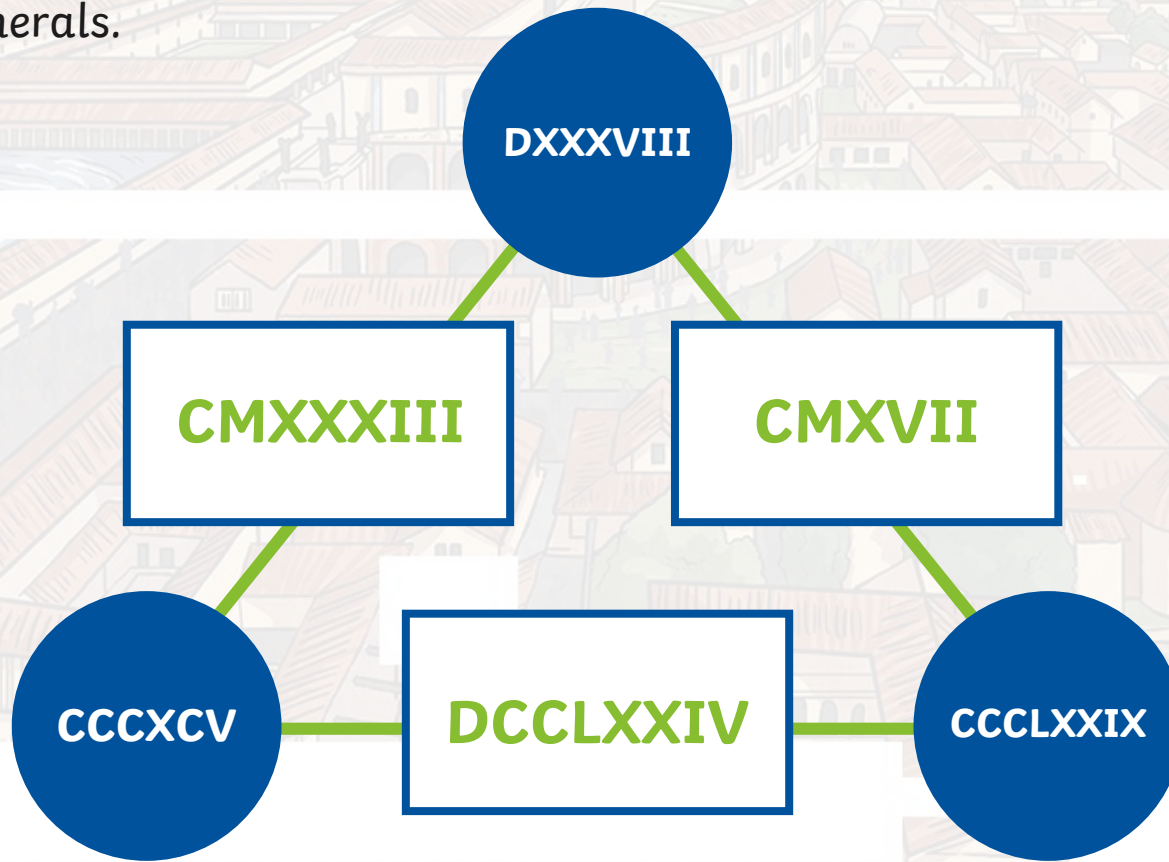
Half of this is 232.
In Roman numerals, this is CCXXXII.

Answer



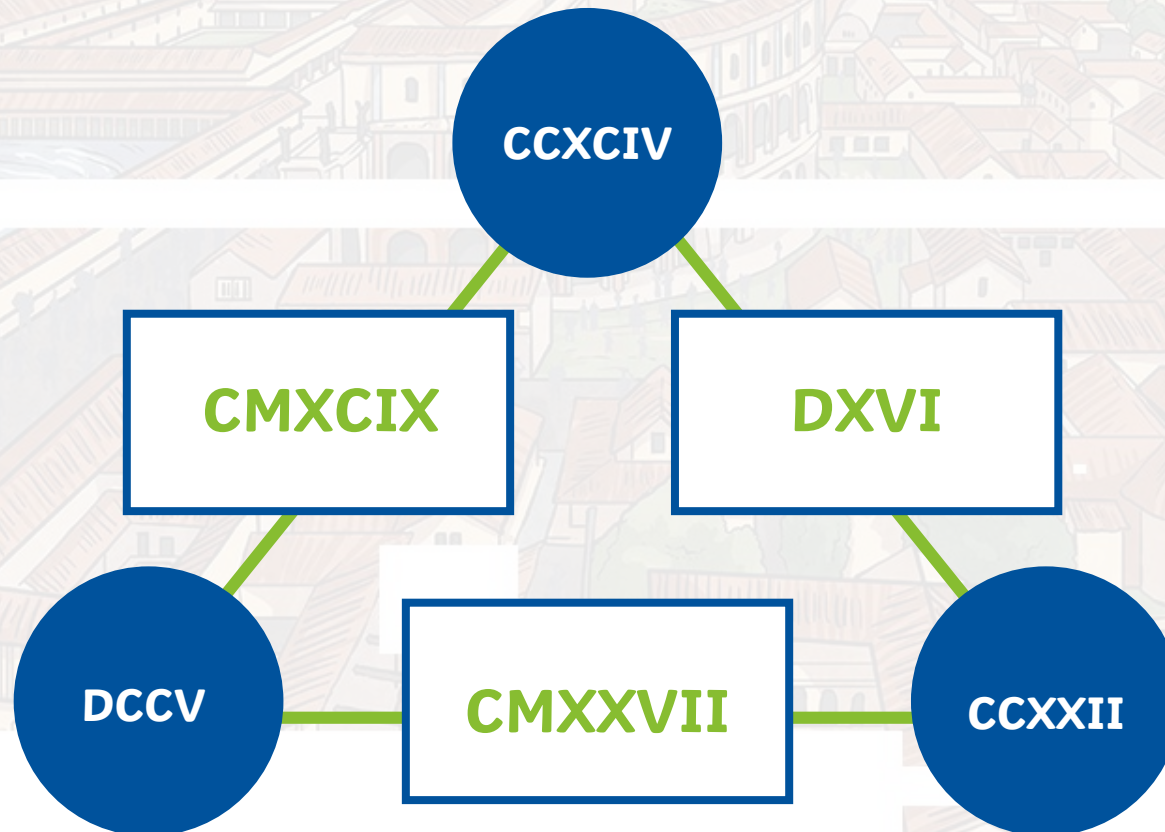


The numbers in the blue boxes added together make the number in the rectangle that links them. Find the missing numbers and write these in Roman numerals.





The numbers in the circles added together make the number in the rectangle that links them. Find the missing numbers and write these in Roman numerals.





Complete the Roman numerals to make a true calculation.

$$\text{DCCXXXV} + \text{C} \underline{\hspace{2cm}} = \text{MV} - \text{C} \underline{\hspace{2cm}}$$

Can you think of three different possibilities?

There are lots of possibilities, but here are three.

$$735 + 150 = 1005 - 120$$

$$735 + 115 = 1005 - 155$$

$$735 + 153 = 1005 - 117$$

$$\text{DCCXXV} + \text{CL} = \text{MV} - \text{CXX}$$

$$\text{DCCXXV} + \text{CXV} = \text{MV} - \text{CLV}$$

$$\text{DCCXXXV} + \text{CLIII} = \text{MV} - \text{CXVII}$$

What is the greatest possible number in the first part of the calculation?

170 or CLXX



The number 1115 has four digits and, in Roman numerals, it is MCXV, which has four symbols. Can you identify any other four-digit numbers that have exactly four Roman numerals?

There are many numbers, for example,

1102 – MCII

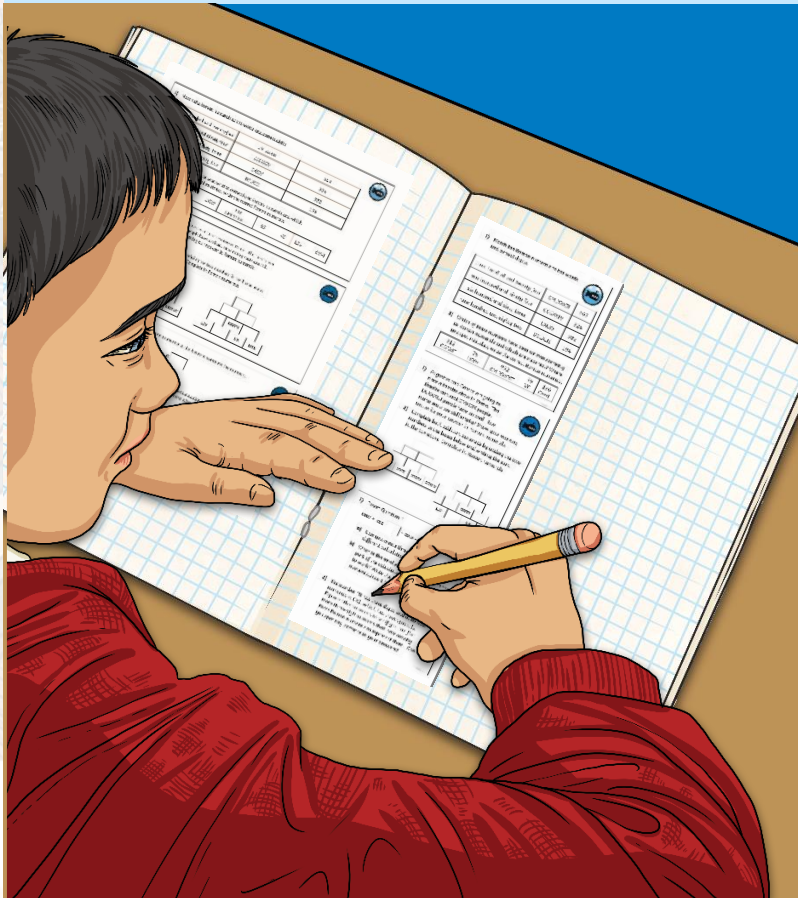
1502 – MDII

1111 – MCXI

1016 – MXVI

Roman Numerals to 1000

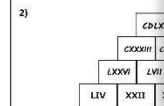
Dive in by completing your own activity!



- 1) Match the Roman numerals to the words and correct digits.
- | | | |
|-------------------------------|----------|-----|
| three hundred and twenty-four | CMLXXXII | 663 |
| one hundred and ninety-four | CCXCIV | 324 |
| six hundred and sixty-three | CXCVI | 902 |
| nine hundred and eighty-two | DCLXII | 194 |

- 2) Which of these numbers have been written correctly as Roman numerals and which are incorrect? Where you spot a mistake, write the correct Roman numeral.
- | | | | | | | | | | |
|----------------|--------|----------------|------|-----|-----------|----|----|-----|------|
| 312 | CCXCII | 75 | LXXV | 992 | CMLXXXVII | 95 | VC | 156 | CVVI |
| CORRECT | | CORRECT | | | | | | | |

- 1) $CMXCIX - DCXXXIII = CCCLXVI$
 $999 - 633 = 366$



- 1) Complete the calculation by writing Roman numerals in the boxes to complete the numbers.
- $CDLV + CCC \square = \square$
- $CDLV + CCC \square = CDLV - C \square$
- 2) There are many possibilities, so certain hundreds numbers that due to the number of symbols

- 1) Match the Roman numerals to the words and correct digits.

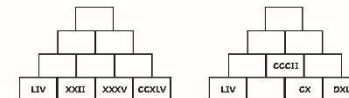
three hundred and twenty-four	CMLXXXII	663
one hundred and ninety-four	CCXCIV	324
six hundred and sixty-three	CXCVI	902
nine hundred and eighty-two	DCLXII	194

- 2) Which of these numbers have been written correctly as Roman numerals and which are incorrect? Where you spot a mistake, write the correct Roman numeral.

312	CCXCII	75	LXXV	992	CMLXXXVII	95	VC	156	CVVI
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- 1) Augustus and Caesar are going to see a theatre show in Rome. The theatre can seat CMXCIX people. DCXXXIII people have arrived. How many seats are still empty? Show your working and write your answer in Roman numerals.

- 2) Complete both addition pyramids by adding the two numbers in the boxes below and writing the sum in the box above. Complete in Roman numerals.



- 1) Complete the calculation by writing Roman numerals in the boxes to complete the numbers.

$CDLV + CCC \square = CDLV - C \square$

- a) Can you create three different calculations?
 b) What is the smallest number possible in the first part of the calculation for the number sentence to work? Write the full calculation in Roman numerals. Insert Question 2
- 2) The number 111 has three digits and in Roman numerals is CXLI, which has three symbols. Explore other numbers to see if you can find more three-digit numbers that have exactly three Roman numerals to represent them. Can you spot any patterns in your answers?

Need Planning to Complement this Resource?

National Curriculum Aim

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

Coded Clues

There are 3 possible answers. Click on the 3 numbered buttons until you select the right one.

Codebreakers

Roman Robbery

Someone has stolen an item from Agrippa's house. Help him find out who it is by matching the numbers which have been stolen.

Number and Place Value: Codebreakers

Rolling Roman Numerals

Agrippa's Message

Age Order

These children are all born in different years.

Incredible Inventions

Roman Invasion

Click the numbers whose number is the same as 97.

If you choose correctly, the numbers will disappear.

Number and Place Value: Incredible Inventions

Incredible Inventions

