## National Curriculum Objectives:

Mathematics Year 4: (4N3b) Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value Mathematics Year 4: (4N6) Solve number and practical problems that involve all of the above and with increasingly large positive numbers

## Differentiation:

Questions 1, 4 and 7 (Problem Solving)
Developing Complete two missing sections in a part whole model containing Roman numerals up to 20.
Expected Complete two missing sections in a part whole model containing Roman numerals up to 100.
Greater Depth Complete more than two missing sections in a part whole model containing Roman numerals up to 100 . Some inverse operation will be required.

## Questions 2, 5 and 8 (Problem Solving)

Developing Write three addition/subtractions calculations involving four Roman numerals up to 20.
Expected Write three addition/subtractions calculations involving four Roman numerals up to 100.
Greater Depth Write three two-step addition/subtractions calculations involving four Roman numerals up to 100.

Questions 3, 6 and 9 (Reasoning)
Developing Prove if a statement is correct involving addition and subtraction for Roman numerals up to 20.
Expected Prove if a statement is correct involving addition and subtraction for Roman numerals up to 100.
Greater Depth Prove if a statement is correct involving 2-step addition and subtraction for Roman numerals up to 100.

## More Year 4 Place Value resources.

Did you like this resource? Don't forget to review it on our website.

Roman Numerals
Roman Numerals

la. Using these numbers, find as many ways as you can to complete this part


2a. Use these Roman numerals to write 3 calculations using addition or subtraction totalling no more than 20.

lb. Using these numbers, find as many ways as you can to complete this part whole model.

XVI X

## 同

2b. Use these Roman numerals to write 3 calculations using addition or subtraction totalling no more than 20.


3b. Harley says:


Is his statement correct? Prove it.
$\xrightarrow[D]{ }$

Roman Numerals
Roman Numerals

4a. Using these numbers, find as many ways as you can to complete this part whole model.


5a. Use these Roman numerals to write 3 calculations using addition or subtraction totalling no more than 100.


5b. Use these Roman numerals to write 3 calculations using addition or subtraction totalling no more than 100.


6a. Luca says:


Is his statement correct? Prove it.

4b. Using these numbers, find as many ways as you can to complete this part whole model.
XCIII
III LXIX XC

6b. Thalia says:


Is her statement correct? Prove it.

Roman Numerals
Roman Numerals

7a. Using these numbers, find as many ways as you can to complete this part whole model.

| XLII | XXXVIII |
| :---: | :---: |
| XXII | XX |
| XXIX | LXII |
| XVI | LI |

8a. Use these Roman numerals to write 3 calculations using 2 -step addition and subtraction totalling no more than 100.

| XCI | XLIX | xXIV |
| :---: | :---: | :---: |
|  |  |  |
| XXXIX | XIV | LXXIV |

9a. Eric says:


Is his statement correct? Prove it.

7b. Using these numbers, find as many ways as you can to complete this part whole model.


8b. Use these Roman numerals to write 3 calculations using 2-step addition and subtraction totalling no more than 100.

9b. Jay says:


Is his statement correct? Prove it.

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Reasoning and Problem Solving Roman Numerals

## Reasoning and Problem Solving

 Roman Numerals
## Developing

1b. XII and XIV
XIV and XVI
$X$ and XII
2b. Various answers, for example:
$\mathrm{X}+\mathrm{V}=\mathrm{XV}$; $\mathrm{IX}+\mathrm{V}=\mathrm{XIV}$
3b. No because If you had: XII(12) - V(5)
$=7$ or $\mathrm{X}(10)-\operatorname{IV}(4)=\operatorname{IX}(9)$

## Expected

4b. III and XC
LXIX and XXIV
5b. Various answers, for example:
XCVII - XXIX = LXVIII; XLIII + XXXIV = LXXVII
6b. No because If you had: IX (9) + IX + IX = XXVII (27)

## Greater Depth

7a. Various answers, for example:
XLII and XXXVIII and XX
XXIX and LI and XX
LXII and XVI and XXII
8a. Various answers, for example:
XCI - XLIX + XXIV = LXVI; LXXIV - XXXIX XXIV = XI
9a. No because lf you had: C(100) - XL (40) $=\operatorname{LX}(60)$

## Greater Depth

7b. Various answers, for example:
XLI and XXXIV and XCIV
XLI and XXIV and LXXXIV
XXXIV and XXIV and LXXVII
XXXIV and XXXIV and LXXXVII
8b. Various answers, for example:
LXIV + XIII + XIX = XCVI; LXXXIX - XXI XXIX = XXXIX
9b. No because If you had: IV(4) + IX (9) + XL (40) = LIII (53)

