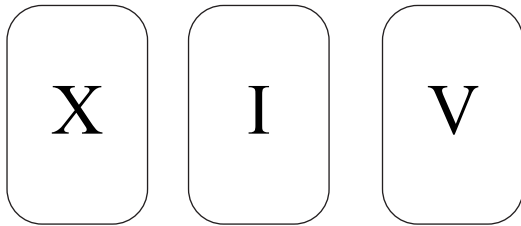# Mathematical Reasoning and Problem Solving

Year 5 Place Value: Roman numerals up to and above 1000

Use your understanding of place value to explain your thinking to the problems below

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1. ★

What Roman numerals can you make with the following letters?

X	I	V

Can you find all possible numbers

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2. ★

Use <, > or = to make the folllowing statements correct

XV	☐	VII
VII	☐	V + II
XXIII	☐	XXV
LV	☐	LIII

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3. ★★

Halima

The following number is 62. I added each of the numerals together

XLII

Is Halima correct?
Explain your thinking

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4. ★★

Use <, > or = to make the folllowing statements correct

CCX	☐	CCV
DCXI	☐	DCIX
CCCXIX	☐	CLXVI
MC	☐	DCCC + CCC

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5. ★★★

Continue the number sequences in Roman numerals

a. DCV , DCX , DCXV , ____ , ____

b. DCCL , DCCC , DCCCL , ____ , ___

c. CCXXVI , CCXXXII , CCXXXVIII, _____

d. MDC , MDCXX , MDCXL, ___ , ___

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6. ★★★

DCXX - XXX = ☐

MCL + LXX = ☐

MCCLX ÷ X = ☐

DC x II = ☐

Mathematical Reasoning and Problem Solving

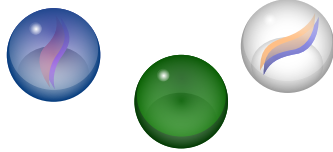**Year 5 Place Value:** Roman numerals up to and above 1000

Use your understanding of place value to explain your thinking to the problems below

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1. ⭐

Cain has XXVIII marbles and gains VII more

Cain

How many marbles does he have now in Roman numerals?

2. ⭐

Mali is reading a book with LXXXV pages. She has read XXXVI pages so far.
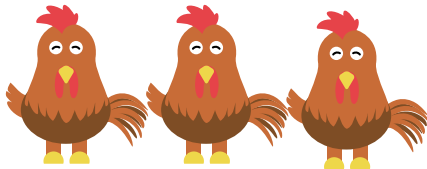
Mali

How many pages does she have left to read in Roman numerals?

3. ⭐⭐

A farmer has CCLXIV chickens and buys LXXVII more.

How many chickens does the farmer have altogether?

4. ⭐⭐

The school library has DXII books. The students borrow CCXXV.

How many books remain in the library in Roman numerals

5. ⭐⭐⭐

A medieval castle was built in the year DCCCXCIX and stood for DCXLVI years before being rebuilt.

In what year was it rebuilt?

6. ⭐⭐⭐

A medieval town has MDCCXXV residents

If CXLVI people move to the town. How many residents are there now?

Answers

1. ⭐

What Roman numerals can you make with the following letters?

Can you find all possible numbers

X   XI   XI
V   IX   IV
I   IV   VI
XV   VI   XVI
              XIV

2. ⭐

Use <, > or = to make the folllowing statements correct

XV   **>**   VII

VII   **=**   V + II

XXIII   **<**   XXV

LV   **>**   LIII

3. ⭐⭐

The following number is 62. I added each of the numerals together

Halima

XLII

Halima is incorrect. XL = 40 and II = 2. The number is 42

4. ⭐⭐

Use <, > or = to make the folllowing statements correct

CCX   **>**   CCV

DCXI   **>**   DCIX

CCCXIX   **>**   CLXVI

MC   **=**   DCCC + CCC

5. ⭐⭐⭐

Continue the number sequences in Roman numerals

a. DCV , DCX , DCXV , _DCXX_ , _DCXXV_

b. DCCL , DCCC , DCCCL , _DCM_ , _DCML_

c. CCXXVI , CCXXXII , CCXXXVIII, _DCML_

d. MDC , MDCXX , MDCXL, _MDCLX_ _MDCLXXX_

6. ⭐⭐⭐

DCXX - XXX =   DXC

MCL + LXX =   MCCXX

MCCLX ÷ X =   CXXVI

DC x II =   MCC

Mathematical Reasoning and Problem Solving

Problem Solving

Year 5 Place Value: Roman numerals up to and above 1000

Answers

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1. ⭐

Cain has XXVIII marbles and gains VII more

How many marbles does he have now in Roman numerals?

27 + 7 = 34

Cain has 34 = XXXIV marbles

SUCCEEDU

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2. ⭐

Mali is reading a book with LXXXV pages. She has read XXXVI pages so far.
How many pages does she have left to read in Roman numerals?

1025 – 36 = 989

Mali has 989 = XCLXXXIX pages left to read

SUCCEEDU

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3. ⭐⭐

A farmer has CCLXIV chickens and buys LXXVII more.
How many chickens does the farmer have altogether?

264 + 77 = 341

The farmer has
341 = CCCXLI chickens

SUCCEEDU

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4. ⭐⭐

The school library has DXII books. The students borrow CCXXV.

How many books remain in the library in Roman numerals

512 – 225 = 287

The School library has
287 = CCLXXXVII books

SUCCEEDU

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5. ⭐⭐⭐

A medieval castle was built in the year DCCCXCIX and stood for DCXLVI years before being rebuilt.

In what year was it rebuilt?

899 + 646 = 1545

The castle was rebuilt in the year 1545 or MDXLV in Roman numerals

SUCCEEDU

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6. ⭐⭐⭐

A medieval town has MDCCXXV residents

If CXLVI people move to the town. How many residents are there now?

1725 + 146 = 1871

There are now 1871 or MDCCCLXXI residents

SUCCEEDU

SUCCEEDU Worksheets