

Discussion Problems

Step 1: Roman Numerals

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](#)

About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 4 Place Value](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Roman Numerals

1. These pieces are part of a hundred square but the numbers are all in Roman numerals. Place the pieces back together and convert the Roman numerals back into numbers.

		LXVI	LXV II	LXV III	LXIX			XXI	XXII	XXIII	XXIV	XXV
	LXX V	LXX VI	LXX VII	LXX VIII	LXX IX			XXXI	XXX II	XXX III	XXX IV	XXX V
LXX XIV	LXX XV	LXX XVI	LXX XVII	LXX XVIII	LXX XIX			XLI	XLII	XLIII		
									LII	LIII		
											LXIII	
XLIV	XLV	XLVI	XLV II									
LIV	LV	LVI	LVII									
LXIV	LXV											
LXX IV												

DP

2. Two friends are discussing these Roman numerals.

X

V

C

L

X

I



Greg

I think that you can make 25 different numbers because there are 5 different letters altogether.

I think that you can make 30 different numbers because there are 5 different letters on 6 cards.



Roisin

Investigate whose statement is the most accurate and prove it!

DP

Roman Numerals

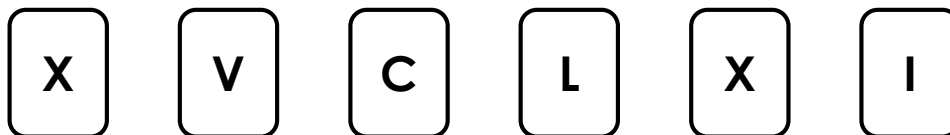
1. These pieces are part of a hundred square but the numbers are all in Roman numerals. Place the pieces back together and convert the Roman numerals back into numbers.

		LXVI	LXV II	LXV III	LXIX			XXI	XXII	XXIII	XXIV	XXV		
	LXX V	LXX VI	LXX VII	LXX VIII	LXX IX			XXXI	XXX II	XXX III	XXX IV	XXX V		
LXX XIV	LXX XV	LXX XVI	LXX XVII	LXX XVIII	LXX XIX			XLI	XLII	XLIII				
										LII	LIII			
												LXIII		
XLIV	XLV	XLVI	XLV II											
LIV	LV	LVI	LVII											
LXIV	LXV													
LXX IV														

21	22	23	24	25				
31	32	33	34	35				
41	42	43						
	52	53						
		63						
			44	45	46	47		
			54	55	56	57		
			64	65				
			74	75	76	77	78	79
			84	85	86	87	88	89

The pieces when converted and placed correctly should look like the diagram on the right.

2. Two friends are discussing these Roman numerals.



I think that you can make 25 different numbers because there are 5 different letters altogether.

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Pupils should provide written evidence of their number combinations. There are 46 possible numbers under 100 using the cards above, therefore Roisin is the most accurate as she was closest to the correct amount of possible numbers.

Investigate whose statement is the most accurate and prove it!