

Year 6 Maths

Developing activity

Lesson 2

LO: TBAT identify numbers in Roman numerals.

Success Criteria:

1. Read the Roman numeral.
2. Use the Roman numerals sheet to identify what the number is.
3. Write the number down in digits.
4. Arrange the numbers in order.

Model

Watch the Roman numerals video.

<https://www.youtube.com/watch?v=z1UmAgekzbs>

Roman Numerals

Can you count by only using letters?

I	1	XXX	30
II	2	XL	40
III	3	L	50
IV	4	LX	60
V	5	LXX	70
VI	6	LXXX	80
VII	7	XC	90
VIII	8	C	100
IX	9	D	500
X	10	M	1,000
XX	20	MD	1,500

twinkl www.twinkl.com

Now try...

1a. Complete the sequences by filling in the missing Roman numerals.

a)

X		XII	
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b)

	XXXVI		XXXVIII
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c)

LX		LXII	
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2a. Write the following Roman numerals in ascending order.

L XIX XV XXXI

3a. Use <, > or = to complete the statements.

LXXI 21

85 XCV

XLVIII 48

4a. The World Cup was held in Japan and South Korea in 2002.

Circle the correct Roman numeral.

MMII MMMII CCII

Canonbury Home Learning

Year 6 Maths

Expected/ Greater depth activity

Lesson 2

LO: TBAT solve problems involving Roman numerals.

Task:

You are going apply your knowledge to solve several problems including Roman numerals.

Success Criteria:

1. Read the Roman numeral.
2. Use the Roman numerals sheet to identify what the number is.
3. Write the number down in digits.
4. Arrange the numbers in order.

Recap:

Watch the Roman numerals video.

<https://www.youtube.com/watch?v=z1UmAgekzbs>


Roman Numerals			
Can you count by only using letters?			
I	1	XXX	30
II	2	XL	40
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VII	7	XC	90
VIII	8	C	100
IX	9	D	500
X	10	M	1,000
XX	20	MD	1,500

I	V	X	L	C	D	M
1	5	10	50	100	500	1000
Write the number...						
III = 3	When a numeral is written after a larger numeral: it is added .			IV = 4		
XX = 20				When a numeral is written before a larger numeral: it is subtracted .		
CCC = 300				XCIX = 99		
MC = 1100				XC = 90		
LXV = 65				CD = 400		
				XXXIX = 39		

Year 6 Maths

Main activity

Complete at least 2 columns, more if you can!

Task 1	Task 2	Task 3	Task 4												
<p>Practice</p> <p>5a. Complete the sequences by filling in the missing Roman numerals.</p> <p>a) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>CIII</td><td></td><td>CV</td><td></td></tr></table></p> <p>b) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td><td>CCLV</td><td></td><td>CCLVII</td></tr></table></p> <p>c) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>DXXIV</td><td></td><td>DXXVI</td><td></td></tr></table></p> <p>6a. Write the following Roman numerals in ascending order.</p> <p>CMI CCCXC DC CXCIX</p> <p>7a. Use <, > or = to complete the statements.</p> <p>CDLV <input type="text"/> 355</p> <p>699 <input type="text"/> DCXCIX</p> <p>CDXXVII <input type="text"/> 430</p> <p>8a. The Battle of Hastings occurred in 1066.</p> <p>Circle the correct Roman numeral.</p> <p>MLXVI MLXV CLXVI</p>	CIII		CV			CCLV		CCLVII	DXXIV		DXXVI		<p>Arithmetic</p> <p>8 $424 - 51 =$</p> <hr/> <p>9 $5^2 =$</p> <hr/> <p>10 $12 \times 5 \times 4 =$</p> <hr/> <p>11 $729 \times 4 =$</p> <hr/> <p>12 $5\% = \frac{?}{100}$</p> <hr/> <p>13 $7624 - 931 - 87 =$</p> <hr/> <p>14 $2.6 \times 10 =$</p>	<p>Problem Solving</p> <p>Q1.</p> <p>At the end of a film, the year is given in Roman numerals.</p> <div style="text-align: center;">  </div> <p>Write the year MMVI in figures.</p> <div style="border: 1px solid black; width: 80px; height: 30px; margin-left: auto; margin-right: auto;"></div> <p>Q2.</p> <p>Look at these numbers written in Roman numerals.</p> <p>One is not written correctly.</p> <p>Put a cross (X) on it.</p> <p>MMCM MCMM MMMC MMCC MCCC</p> <p>Q3.</p> <p>Write the answers to these calculations in Roman numerals.</p> <p>One has been done for you.</p> <p>$V + VI = XI$</p> <p>$IX + XLV =$ <input style="width: 50px; height: 30px;" type="text"/></p> <p>$XC - XXIV =$ <input style="width: 50px; height: 30px;" type="text"/></p>	<p>Reasoning</p> <p>7a. Complete the calculations. Write the answers in Roman numerals.</p> <p>$CCCXII + CVI =$ <input style="width: 100px; height: 30px;" type="text"/></p> <p>$DCCXXI - CCXV =$ <input style="width: 100px; height: 30px;" type="text"/></p> <p>$CDXCI + CCCLX =$ <input style="width: 100px; height: 30px;" type="text"/></p> <p>8a. Using your knowledge of Roman numerals to 1,000, work out the value of the Roman numeral below.</p> <div style="text-align: center; border: 1px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 0 auto;"> <p>MCDIX</p> </div> <p>Explain your reasoning.</p> <p>9a. Arrange the cards below to create different Roman numerals. Each card may only be used once.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; text-align: center;">I</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; text-align: center;">X</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; text-align: center;">C</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; text-align: center;">I</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px 15px; text-align: center;">D</div> </div> <p>Find all the possibilities.</p>
CIII		CV													
	CCLV		CCLVII												
DXXIV		DXXVI													