

Roman Numeral Quantities

Questions:

1. 2
2. 3
3. 1
4. 6
5. 9
6. 5
7. 5
8. 10
9. 7

Roman Numeral Secret Codes!

The mouse ate the fat.

Go fast fishes!

The sun is gas.

The moon has a hat.

Roman Numeral Secret Codes!

Maths is fun.

I got a tan in the sun.

The stage is set.

I am not shouting!

Roman Numeral Secret Codes!

That mountain is huge!

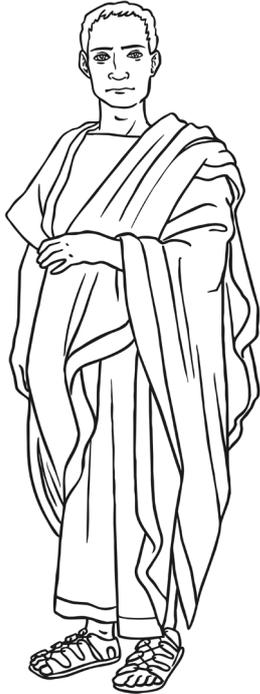
That mouse has a hat!

I see the sea.

Shut the gate!

Roman Numeral Quantities

Titus is making a Roman stew called pottage. The quantities on this list of ingredients are written in Roman numerals, but Titus finds them hard to understand. Can you tell him how much of each item he needs?



Cabbages	II
Carrots	V
Leeks	X
Chunks of pork	VII
Onions	V
Mushrooms	IX
Cloves of garlic	I
Handfuls of corn	III
Mint leaves	VI

Questions:

1. How many cabbages are needed?
2. How many handfuls of corn are needed?
3. How many cloves of garlic are needed?
4. How many mint leaves are needed?
5. How many mushrooms are needed?
6. How many carrots are needed?
7. How many onions are needed?
8. How many leeks are needed?
9. How many chunks of pork are needed?

Roman Numeral Secret Codes



a	I
e	II
i	III
o	IV
u	V
t	VI
h	VII
f	VIII
g	IX
m	X
n	XI
s	XII

This secret code is written in the numbers you are used to. Use the corresponding Roman numerals to help you decipher the code.

6 7 2 10 4 5 12 2 1 6 2 6 7 2 8 1 6.

9 4 8 1 12 6 8 3 12 7 2 12!

6 7 2 12 5 11 3 12 9 1 12.

6 7 2 10 4 4 11 7 1 12 1 7 1 6.

Now think of some of your own for your partner.

Roman Numeral Secret Codes



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This secret code is written in the numbers you are used to. Use the corresponding Roman numerals to help you decipher the code.

10 16 7 12 3 12 8 5 11.

3 9 4 6 1 6 11 3 11 6 7 2 12 5 11.

6 7 2 12 6 19 2 3 12 12 2 6.

3 1 10 11 4 6 12 7 4 5 6 3 11 9!

Now think of some of your own for your partner.

Roman Numeral Secret Codes



a	I
e	II
i	III
o	IV
u	V
t	VI
h	VII
f	VIII
g	IX
m	X
n	XI
s	XII

This secret code is written in the numbers you are used to. Use the corresponding Roman numerals to help you decipher the code.

6 7 1 6 10 4 5 11 6 13 11 3 12 7 5 9 2!

6 7 1 6 10 4 5 12 2 7 1 12 1 7 1 6!

3 12 2 2 6 7 2 12 2 1.

12 7 5 6 6 7 2 9 1 6 2!

Now think of some of your own for your partner.

Advanced Roman Numerals



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Aim

- to know Roman numerals up to thousands.



Roman Numerals

You should already know how to use these Roman numerals:

I	V	X
1	5	10



Roman Numerals

$$\mathbf{I = 1}$$

$$\mathbf{V = 5}$$

$$\mathbf{X = 10}$$

Do you know these numbers?

$$\mathbf{VIII =}$$

8

$$\mathbf{XIX =}$$

19

$$\mathbf{XXIV =}$$

24



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So...What About Bigger Numbers?

We'll need to introduce some new letters...

L

C

D

M

50

100

500

1000



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How To Use Them

They work in just the same way as the smaller number letters.

L	C	D	M
50	100	500	1000

DL

$$500 + 50 = 550$$

CX

$$100 + 10 = 110$$

MM

$$1000 + 1000 = 2000$$

DCIV

$$500 + 100 + (5 - 1) = 604$$

LXVII

$$50 + 10 + 5 + 1 + 1 = 67$$

MCC

$$1000 + 100 + 100 = 1200$$



Can you Remember What They All Mean?

I

1

V

5

X

10

L

50

C

100

D

500

M

1000



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Work Out These Numbers...

L

50

C

100

D

500

M

1000

DLVI

556

MCXV

1115

MCM

1900

CDVIII

408

MMCLIX

2159

MDCLXVI

1666



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Years

You'll often find Roman numerals used to show years. Have a go at writing these years in Roman numerals.

1995

MCMXCV

2017

MMXVII

1066

MLXVI

1945

MCMXLV

1450

MCDL

1922

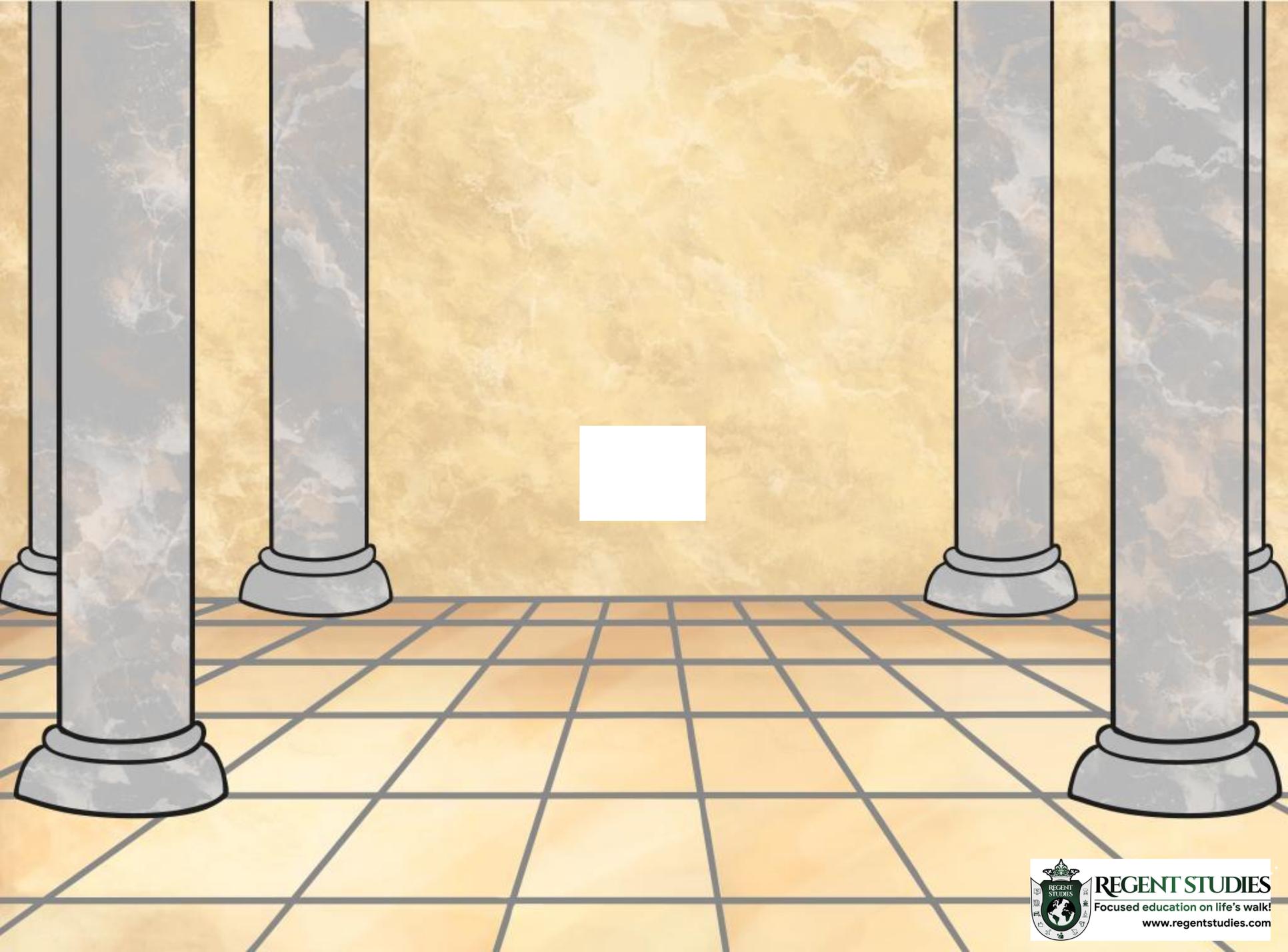
MCMXXII



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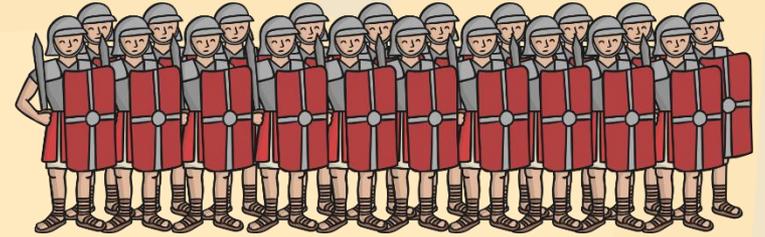
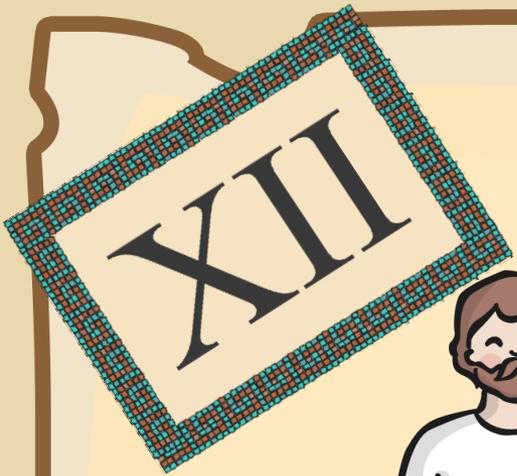
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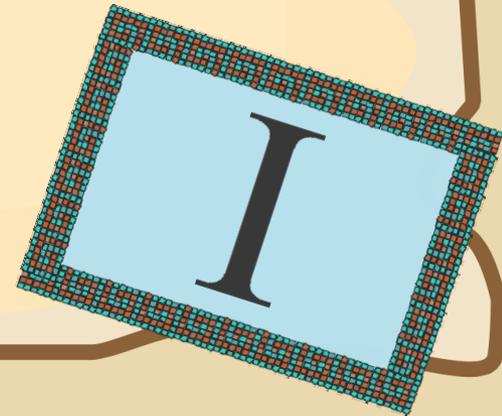
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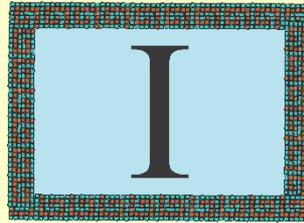
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Roman Numerals





LO: To know the key numbers up to 12 in Roman numerals

- know that Roman numerals use simple addition and subtractions
- know background information on Roman numerals



Background

You may have seen Roman numerals before, possibly on a clock face. The Roman numerals use a series of letters which represent numbers and rely on additions and subtractions to create other numbers, where we rely on place value of our 0-9 digits.

Roman numerals began about **2500** years ago.



We will be looking at the numbers up to 12, which only use a combination of 3 letters.

Which letters can you see?

Can you see any patterns?

Roman Numeral	Number
I	1
II	2
III	3
IV	4
V	5
VI	6
VII	7
VIII	8
IX	9
X	10
XI	11
XII	12



The main letters here are:

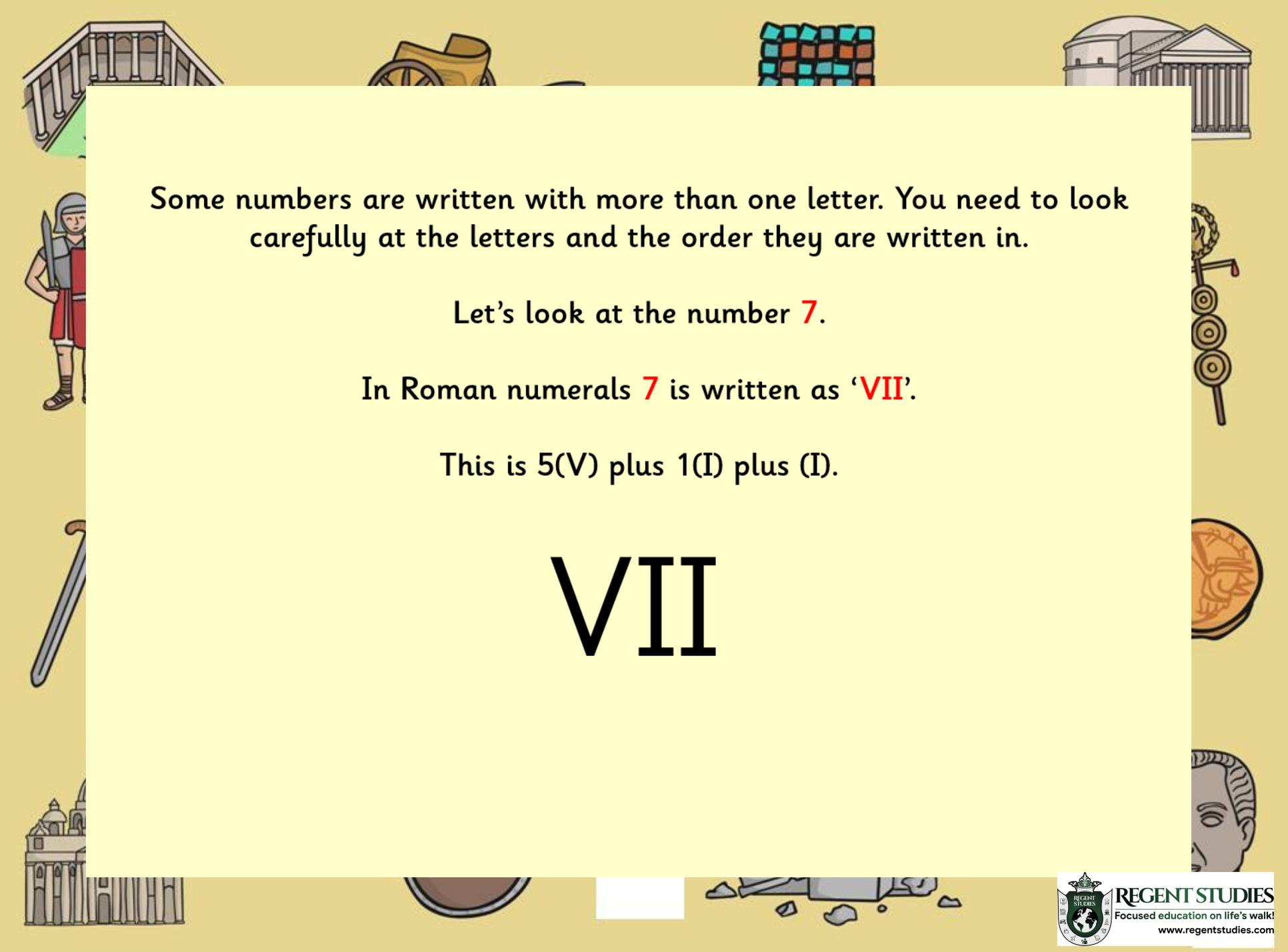
I, V and X

I represents **1**
(or counting in 1s)

V represents **5**

X represents **10**

Roman Numeral	Number
I	1
II	2
III	3
IV	4
V	5
VI	6
VII	7
VIII	8
IX	9
X	10
XI	11
XII	12



Some numbers are written with more than one letter. You need to look carefully at the letters and the order they are written in.

Let's look at the number 7.

In Roman numerals 7 is written as 'VII'.

This is 5(V) plus 1(I) plus (I).

VII



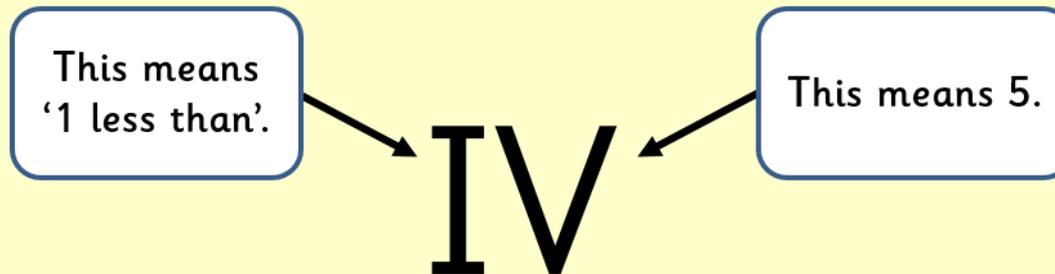
You need to look carefully at the numbers and the order they are written in. When the number on the left is smaller than the number that follows it, the number on the left means 'less than'.

Let's look at the number 5.

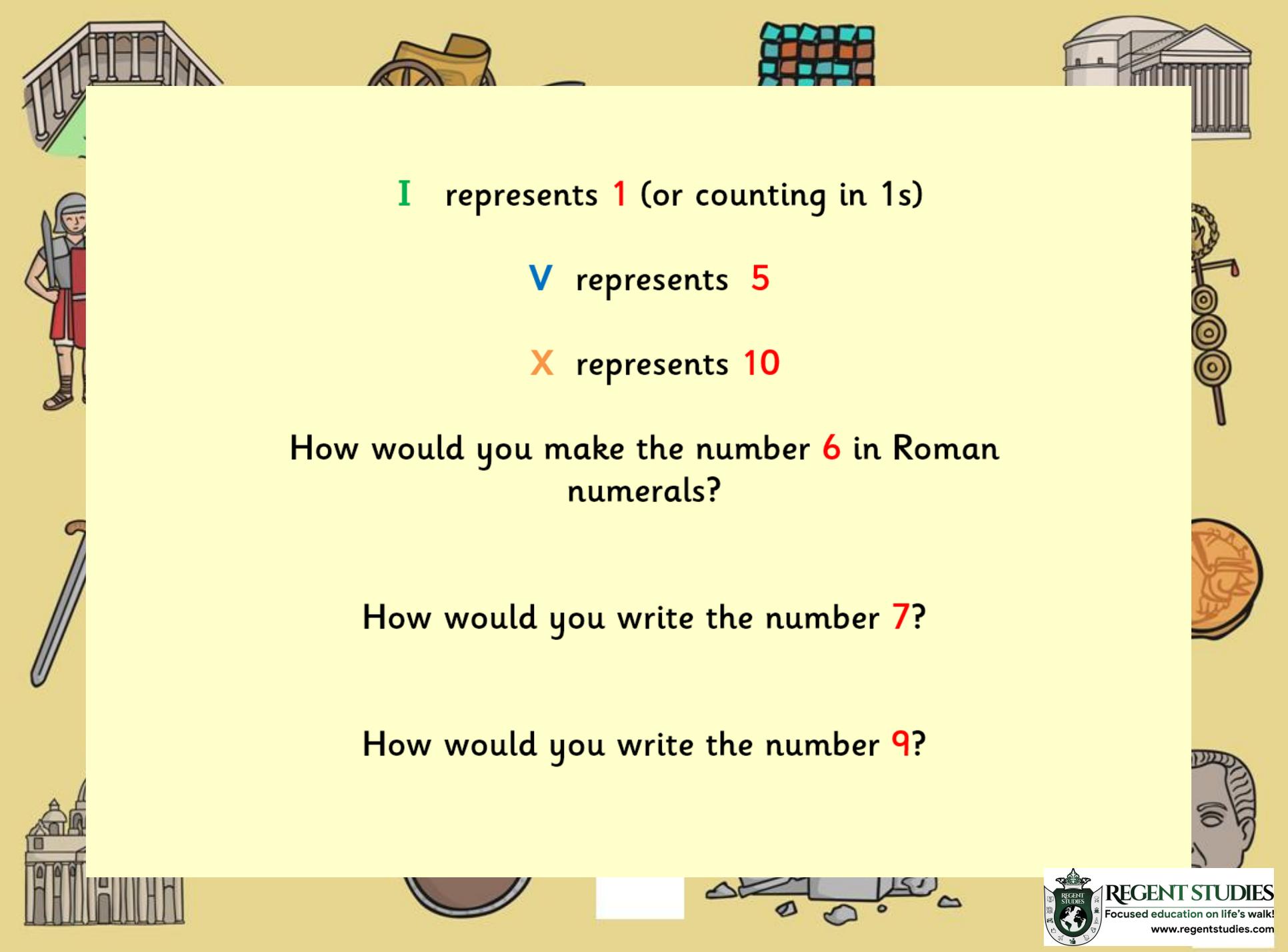
In Roman numerals 5 is written as 'V'.

The number 4 is written as 'IV'.

Since the 'I' is to the left of the V(5) it means '1 less than 5'.



This is a little equation and means
1 less than 5, which is 4.



I represents 1 (or counting in 1s)

V represents 5

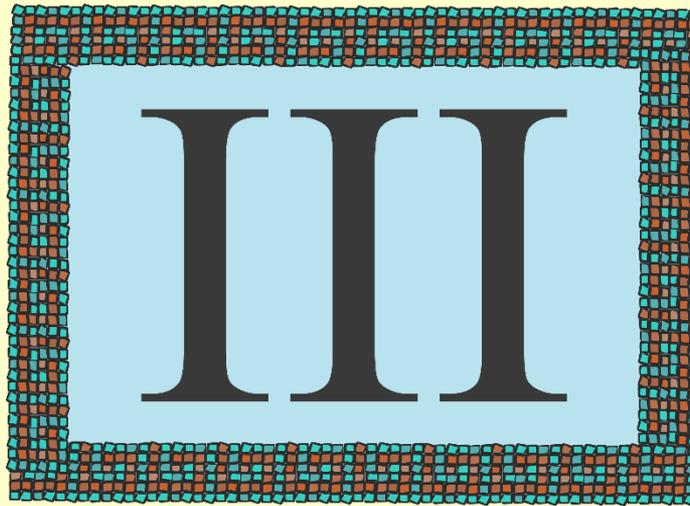
X represents 10

How would you make the number 6 in Roman numerals?

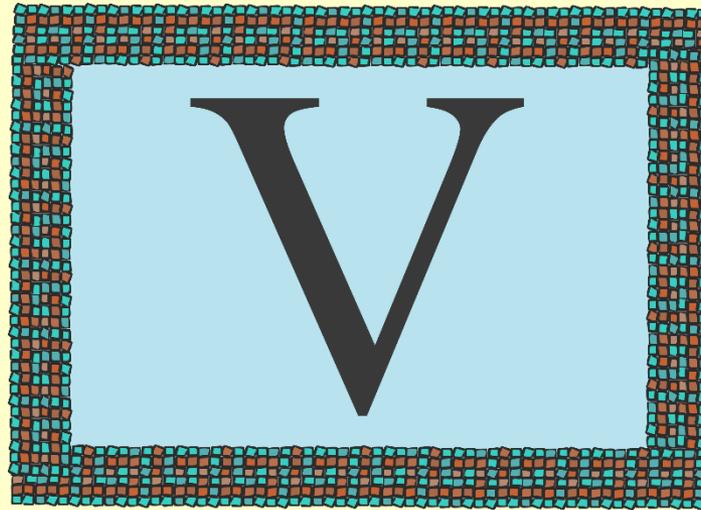
How would you write the number 7?

How would you write the number 9?

Show on your fingers the number:



Show on your fingers the number:



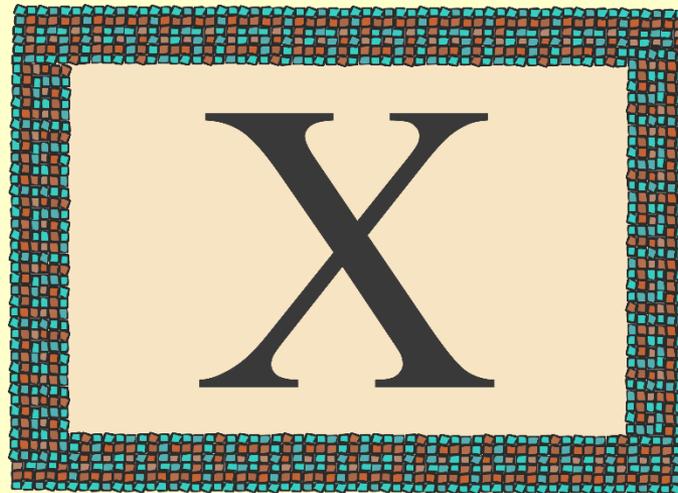
Show on your fingers the number:



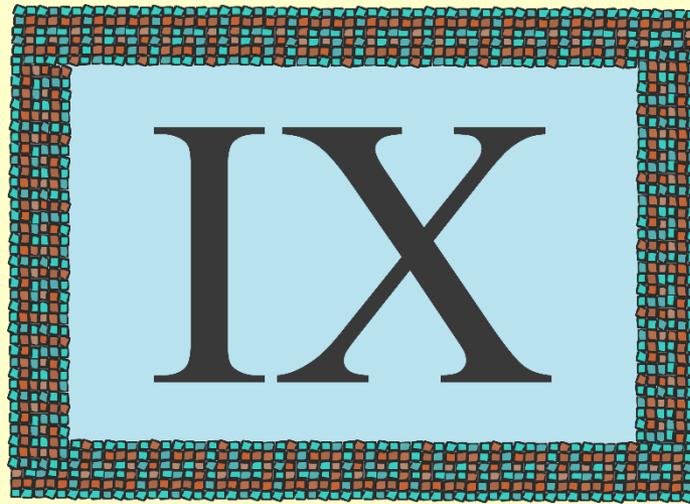
Show on your fingers the number:



Show on your fingers the number:



Show on your fingers the number:

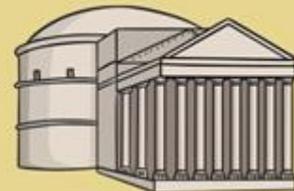
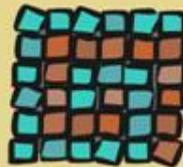


Plenary

What are the 3 key Roman numerals up to 12?

What are their values?





THE END

