SIMMERING BRONZE

Section 1
Find the missing numbers:

25 + ⬚ = 100

⬚ + 52 = 100

Section 2
What's my number?

? ? ? ?

I have 2 digits.

I am even.

My tens digit is half of 16.

My ones digit is between 3 and 6.

Section 3
I have 42 sweets and I share them between my 2 friends. How many will they each have?

Section 4
Make £2.30 using the fewest number of coins.

Section 5
What time is the clock showing?
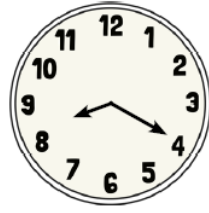
Section 6
Write these numbers in words:

251

....

310

....

446

....

Section 7
Write down 2 facts about triangles.

....
....
....
....

Section 8
I have 12 shoes. I want to put each pair into its own box. How many boxes will I need?

SIMMERING SILVER

Section 1
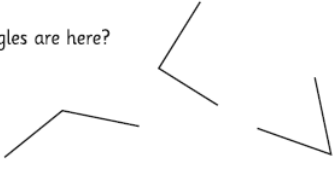
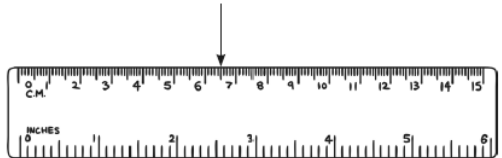324 + 216 = ⬚

215 + ⬚ = 515

Section 2

What is $\frac{1}{3}$ of 27? ⬚

What is $\frac{2}{10}$ of 50? ⬚

Section 3

What time is this? ⬚

What time will it be in 2 hours and ten minutes? ⬚

Section 4
At Bessie's Farm 375 eggs were collected. 141 of them were sold. How many eggs were left?

	H	T	O
−			

Section 5
How many right angles are here?

Section 6
How many cm is the arrow pointing to? Now write the measurement in mm.

mm

Section 7
I buy a hat priced at £3.25. I pay using a £5 note. How much change will I have?

Section 8
How many faces does a cuboid have? Draw a cuboid here:

Section 1
Write this number in digits: Fourteen thousand, five hundred and twenty-nine.

In the number 67 209, what place value does the 7 represent?

Section 2
Calculate the following in your head:

160 + 45 =

156 - 36 =

199 - 29 =

65 + 35 =

Section 3
Calculate:

6.6 x 100 =

3.5 x 100 =

442 ÷ 100 =

999 ÷ 100 =

Section 4
Round the following to the nearest whole number:

7.1 →

4.6 →

Section 5
Movie tickets are £6.90 per child and £7.60 per adult. How much would it cost for 2 children and 2 adults to see a film?

Section 6
Write 4 statements about this triangle.

....
....
....
....

Section 7
Order the numbers from smallest to largest:

9.3   9.1   9.6   9.9   9.5   9.7

smallest   largest

Section 8
Convert these weights:

5500g =   kg

1.1kg =   g

Section 1
Order these numbers from smallest to largest:
576 094, 567 094, 576 904, 567 904

Section 2
Round these numbers to the nearest 100 000:

367 562 →

453 378 →

Section 3
Use these signs < or > to show which number is greater than or less than.

48 701   48 710

81 010   80 999

Section 4
Convert these measurements in litres to millilitres:

12.43l =

6.8l =

Section 5
Draw lines to show which fractions, decimals and percentages match.

$\frac{7}{10}$ 40%   0.01

$\frac{2}{5}$ 1%   0.7

$\frac{1}{100}$ 70%   0.4

Section 6
Complete these calculations:

6396 ÷ 3 =

1333 x 2 =

Section 7
A shop assistant sold £845 worth of perfume. This was £258 more than yesterday. How much did she sell yesterday?

Section 8
Write these Roman numerals as digits:

CCLXVI

CCCLXXIV

ANSWERS SIMMERING BRONZE

Section 1
Find the missing numbers:

$25 + \boxed{75} = 100$

$\boxed{48} + 52 = 100$

Section 2
What's my number?
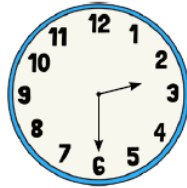
? ? ? ?

I have 2 digits.

I am even.

My tens digit is half of 16.

My ones digit is between 3 and 6.

$\boxed{84}$

Section 3
I have 42 sweets and I share them between my 2 friends. How many will they each have?

$\boxed{21}$

Section 4
Make £2.30 using the fewest number of coins.

$\boxed{£2, 20p, 10p}$

Section 5
What time is the clock showing?

$\boxed{2.30/\text{half past 2}}$

Section 6
Write these numbers in words:

251

Two hundred and fifty-one

310

Three hundred and ten

446

Four hundred and forty-six

Section 7
Write down 2 facts about triangles.

Accept any 2 accurate facts about triangles e.g. they have 3 corners; they have 3 sides

Section 8
I have 12 shoes. I want to put each pair into its own box. How many boxes will I need?

$\boxed{6}$

ANSWERS SIMMERING SILVER

Section 1
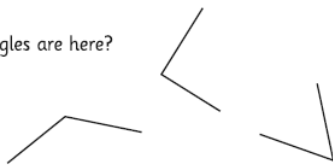$324 + 216 = \boxed{540}$

$215 + \boxed{300} = 515$

Section 2
What is $\frac{1}{3}$ of 27? $\boxed{9}$

What is $\frac{2}{10}$ of 50? $\boxed{10}$

Section 3
What time is this? $\boxed{8:20}$

What time will it be in 2 hours and ten minutes? $\boxed{10:30}$

Section 4
At Bessie's Farm 375 eggs were collected. 141 of them were sold. How many eggs were left?

	H	T	O
	3	7	5
−	1	4	1
	2	3	4

Section 5
How many right angles are here?
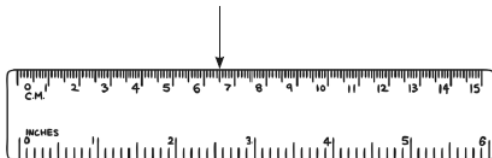
$\boxed{1}$

Section 6
How many cm is the arrow pointing to? Now write the measurement in mm.

$\boxed{6.5\text{cm}}$

$\boxed{65\text{mm}}$

Section 7
I buy a hat priced at £3.25. I pay using a £5 note. How much change will I have?

$\boxed{£1.75}$

Section 8
How many faces does a cuboid have? Draw a cuboid here:

6 sides

ANSWERS SIMMERING GOLD

Section 1
Write this number in digits:
Fourteen thousand, five hundred and twenty-nine.

14 529

In the number 67 209, what place value does the 7 represent?

7000

Section 2
Calculate the following in your head:

160 + 45 = 205

156 - 36 = 120

199 - 29 = 170

65 + 35 = 100

Section 3
Calculate:

6.6 x 100 = 660

3.5 x 100 = 350

442 ÷ 100 = 4.42

999 ÷ 100 = 9.99

Section 4
Round the following to the nearest whole number:

7.1 ⟶ 7   4.6 ⟶ 5

Section 5
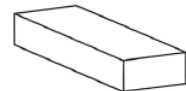Movie tickets are £6.90 per child and £7.60 per adult. How much would it cost for 2 children and 2 adults to see a film?

£29

Section 6
Write 4 statements about this triangle.

4 correct statements about the 2D shape. E.g. it has 3 sides, a right-angle, two acute angles, angles add up to 180 degrees.

Section 7
Order the numbers from smallest to largest:

9.3   9.1   9.6   9.9   9.5   9.7

9.1	9.3	9.5	9.6	9.7	9.9

smallest   largest

Section 8
Convert these weights:

5500g = 5.5kg   1.1kg = 1100g

SIMMERING PLATINUM

Section 1
Order these numbers from smallest to largest:
576 094, 567 094, 576 904, 567 904

567 094	567 904	576 094	576 904

Section 2
Round these numbers to the nearest 100 000:

367 562 ⟶ 400 000

453 378 ⟶ 500 000

Section 3
Use these signs < or > to show which number is greater than or less than.

48 701 < 48 710

81 010 > 80 999

Section 4
Convert these measurements in litres to millilitres:

12.43l = 12430 ml

6.8l = 6800 ml

Section 5
Draw lines to show which fractions, decimals and percentages match.

$\frac{7}{10}$ 40%   0.01

$\frac{2}{5}$ 1%   0.7

$\frac{1}{100}$ 70%   0.4
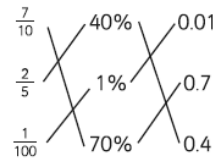
Section 6
Complete these calculations:

6396 ÷ 3 = 2132

1333 x 2 = 2666

Section 7
A shop assistant sold £845 worth of perfume. This was £258 more than yesterday. How much did she sell yesterday?

£587
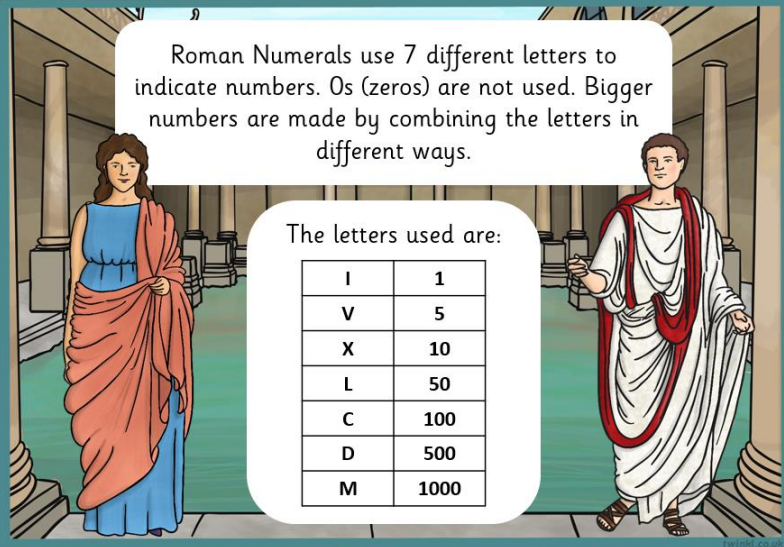
Section 8
Write these Roman numerals as digits:

CCLXVI	266
CCCLXXIV	374

ROMAN NUMERALS RULES..

Roman Numerals use 7 different letters to indicate numbers. 0s (zeros) are not used. Bigger numbers are made by combining the letters in different ways.

The letters used are:

I	1
V	5
X	10
L	50
C	100
D	500
M	1000

THESE ARE THE SYMBOLS USED BY THE ROMANS. WITH THESE THEY CREATE THE NUMBERS THEY WANT..

RULE 1

Number List	
I	1
V	5
X	10
L	50
C	100
D	500
M	1000

If the larger number symbol is followed by a smaller number symbol you must add the two together. You also add if the two symbols are the same.

For example:

XI = 10 + 1 = 11

VIII = 5 + 3 = 8

XIX = 10 + 9 = 19

What are these numbers?

MC	1100
DC	600
LV	55

Number List

Number List	
I	1
V	5
X	10
L	50
C	100
D	500
M	1000

If a smaller number symbol is followed by a larger number symbol you must subtract the small number from the large one.

For example:

$9 = 10 - 1 = $ **IX**

$40 = 50 - 10 = $ **XL**

CD $(500 - 100 = 400)$

What are these numbers?

IV	4
XC	90
XL	40
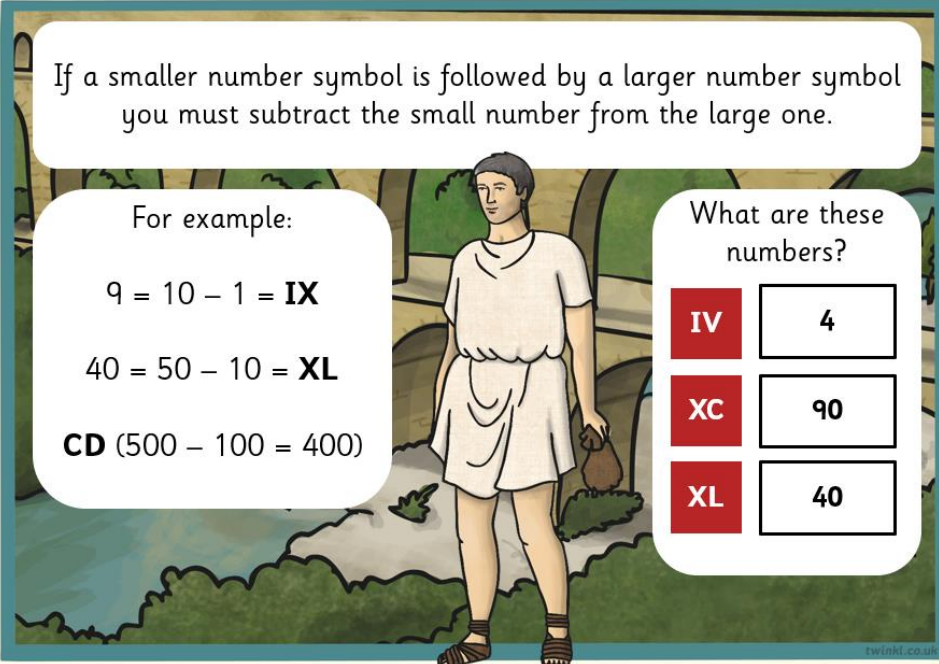
twinkl.co.uk
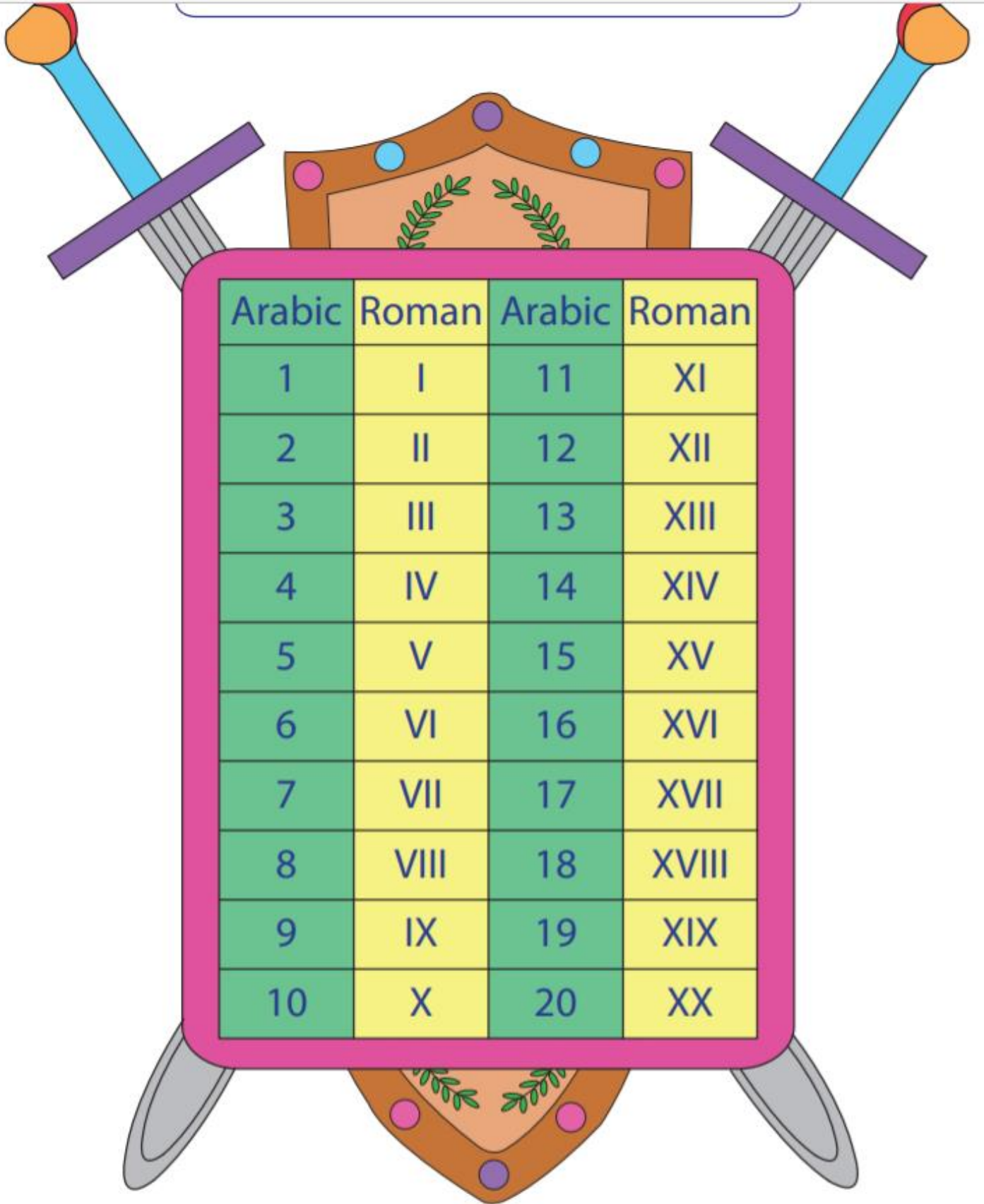
Arabic	Roman	Arabic	Roman
1	I	11	XI
2	II	12	XII
3	III	13	XIII
4	IV	14	XIV
5	V	15	XV
6	VI	16	XVI
7	VII	17	XVII
8	VIII	18	XVIII
9	IX	19	XIX
10	X	20	XX

PRACTISE WRITING THEM OUT. CAN YOU SEE HOW THEY HAVE MADE THE NUMBER?

	I + I =	I+I+I =	V – I so IV	V
	Same so +	Same so +	Small before so IV -	
V + I =	V + I + I =	V + I + I +I =	X – I SO IX	X
BIG THEN SMALL +	BIG THEN SMALL +	BIG THEN SMALL +	Small before so IV -	
X + I =	X + I + I =	X + I + I + I =	X + (V – I) SO XIV	X+V =
BIG THEN SMALL +	BIG THEN SMALL +	BIG THEN SMALL +	Small before so IV -	BIG THEN SMALL +
X + V + I =	X + V + I + I =	X + V + I + I + I =	X + (X – I) SO XIX	X+X =
BIG THEN SMALL +	BIG THEN SMALL +	BIG THEN SMALL +	Small before so XIX -	SAME SO +

Roman Numerals Chart - 1 to 20

Write the Roman numerals from 1 to 20.

Roman Numerals Chart – 1 to 20

Write the Roman numerals from 1 to 20.

I	II	III	IV	V
VI	VII	VIII	IX	X
XI	XII	XIII	XIV	XV
XVI	XVII	XVIII	XIX	XX

LOOK AT THE CHART AND SEE WHETHER YOU CAN WORK OUT HOW THEY GOT THOSE ROMAN NUMERALS. USE THE RULES. IF YOU STRUGGLE GO TO BRONZE

Roman Numerals Chart - 1 to 50
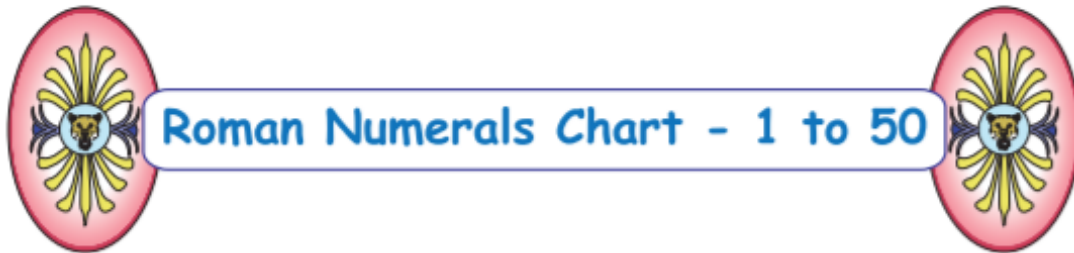
1	2	3	4	5
I	II	III	IV	V
6	7	8	9	10
VI	VII	VIII	IX	X
11	12	13	14	15
XI	XII	XIII	XIV	XV
16	17	18	19	20
XVI	XVII	XVIII	XIX	XX
21	22	23	24	25
XXI	XXII	XXIII	XXIV	XXV
26	27	28	29	30
XXVI	XXVII	XXVIII	XXIX	XXX
31	32	33	34	35
XXXI	XXXII	XXXIII	XXXIV	XXXV
36	37	38	39	40
XXXVI	XXXVII	XXXVIII	XXXIX	XL
41	42	43	44	45
XLI	XLII	XLIII	XLIV	XLV
46	47	48	49	50
XLVI	XLVII	XLVIII	XLIX	L

Roman Numerals Chart - 1 to 50

Write the Roman numerals from 1 to 50.

Roman Numerals Chart - 1 to 50

Write the Roman numerals from 1 to 50.

I	II	III	IV	V
VI	VII	VIII	IX	X
XI	XII	XIII	XIV	XV
XVI	XVII	XVIII	XIX	XX
XXI	XXII	XXIII	XXIV	XXV
XXVI	XXVII	XXVIII	XXIX	XXX
XXXI	XXXII	XXXIII	XXXIV	XXXV
XXXVI	XXXVII	XXXVIII	XXXIX	XL
XLI	XLII	XLIII	XLIV	XLV
XLVI	XLVII	XLVIII	XLIX	L

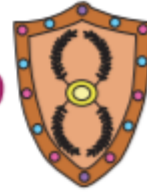LOOK AT THE CHART AND SEE WHETHER YOU CAN WORK OUT HOW THEY GOT THOSE ROMAN NUMERALS. USE THE RULES. IF YOU STRUGGLE GO TO SILEVR OR BRONZE FIRST

ROMAN NUMERALS CHART - 1 TO 100
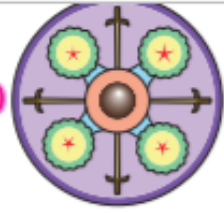
1	2	3	4	5	6	7	8	9	10
I	II	III	IV	V	VI	VII	VIII	IX	X
11	12	13	14	15	16	17	18	19	20
XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
21	22	23	24	25	26	27	28	29	30
XXI	XXII	XXIII	XXIV	XXV	XXVI	XXVII	XXVIII	XXIX	XXX
31	32	33	34	35	36	37	38	39	40
XXXI	XXXII	XXXIII	XXXIV	XXXV	XXXVI	XXXVII	XXXVIII	XXXIX	XL
41	42	43	44	45	46	47	48	49	50
XLI	XLII	XLIII	XLIV	XLV	XLVI	XLVII	XLVIII	XLIX	L
51	52	53	54	55	56	57	58	59	60
LI	LII	LIII	LIV	LV	LVI	LVII	LVIII	LIX	LX
61	62	63	64	65	66	67	68	69	70
LXI	LXII	LXIII	LXIV	LXV	LXVI	LXVII	LXVIII	LXIX	LXX
71	72	73	74	75	76	77	78	79	80
LXXI	LXXII	LXXIII	LXXIV	LXXV	LXXVI	LXXVII	LXXVIII	LXXIX	LXXX
81	82	83	84	85	86	87	88	89	90
LXXXI	LXXXII	LXXXIII	LXXXIV	LXXXV	LXXXVI	LXXXVII	LXXXVIII	LXXXIX	XC
91	92	93	94	95	96	97	98	99	100
XCI	XCII	XCIII	XCIV	XCV	XCVI	XCVII	XCVIII	XCIX	C

Roman Numerals Chart - 1 to 100

Write the Roman numerals from 1 to 100.

Roman Numerals Chart - 1 to 100

Write the Roman numerals from 1 to 100.

I	II	III	IV	V	VI	VII	VIII	IX	X
XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
XXI	XXII	XXIII	XXIV	XXV	XXVI	XXVII	XXVIII	XXIX	XXX
XXXI	XXXII	XXXIII	XXXIV	XXXV	XXXVI	XXXVII	XXXVIII	XXXIX	XL
XLI	XLII	XLIII	XLIV	XLV	XLVI	XLVII	XLVIII	XLIX	L
LI	LII	LIII	LIV	LV	LVI	LVII	LVIII	LIX	LX
LXI	LXII	LXIII	LXIV	LXV	LXVI	LXVII	LXVIII	LXIX	LXX
LXXI	LXXII	LXXIII	LXXIV	LXXV	LXXVI	LXXVII	LXXVIII	LXXIX	LXXX
LXXXI	LXXXII	LXXXIII	LXXXIV	LXXXV	LXXXVI	LXXXVII	LXXXVIII	LXXXIX	XC
XCI	XCII	XCIII	XCIV	XCV	XCVI	XCVII	XCVIII	XCIX	C

Number List	
I	1
V	5
X	10
L	50
C	100
D	500
M	1000

Don't forget: Sometimes numbers are formed by addition but other numbers are formed by subtraction.

Can you make these numbers?

86	
49	
120	
1900	
2000	

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ANSWERS

Number List	
I	1
V	5
X	10
L	50
C	100
D	500
M	1000

Don't forget: Sometimes numbers are formed by addition but other numbers are formed by subtraction.

Can you make these numbers?

86	LXXXVI
49	XLIX
120	CXX
1900	MCM
2000	MM

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Number List	
I	1
V	5
X	10
L	50
C	100
D	500
M	1000

Now you are a Roman numeral converter, try this task!

Write the following numbers:

Your age

Your birthday

Today's date

Christmas this year

New year's day next year