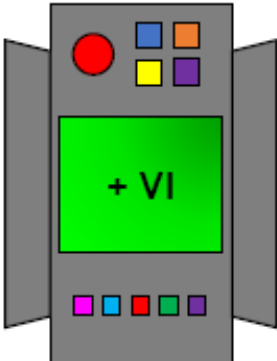


## Bronze

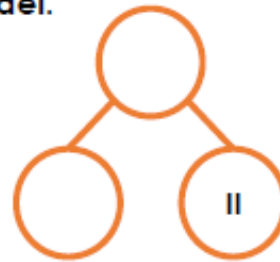
1a. Complete the calculations giving your answers as Roman numerals.

VIII		
X		
XIII		



VF

1b. Using these numbers, find as many ways as you can to complete this part whole model.

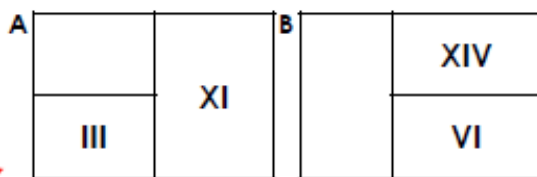


XVI	X	XII	XIV
-----	---	-----	-----



PS

2a. Complete the bar models.



VF

3a. Fill in the missing Roman numerals in the number sequences.

	XVIII	XVI	XIV	XII
III	VI		XII	XV



VF

4a. True or false?

III	+	IX	=	XIII
-----	---	----	---	------



VF

5a. Circle the correct symbol.

VIII	+	VII	<	IX	+	VI
			=			
			>			



PS

3b. Harley says:



Subtracting a Roman numeral which includes a V from a Roman numeral with an X will always equal 5 or less.

Is his statement correct? Prove it.

# Silver

6a. Complete the calculations giving your answers as Roman numerals.

LXXXIV		
LXVI		
XLI		



4b. Using these numbers, find as many ways as you can to complete this part whole model.



III	LXIX	XC	XXIV
-----	------	----	------



PS

7a. Complete the bar models.

A 

XXXIII	XVII

 B 

	LXXXII
XLIII	



VF

8a. Fill in the missing Roman numerals in the number sequences.

LII	LXII		LXXXII	XCII
XCVII	XCVI	XCV		XCIII



VF

9a. True or false?

$$\boxed{\text{XXXIX}} + \boxed{\text{XIX}} = \boxed{\text{L}}$$



VF

10a. Circle the correct symbol.

XXXVII + LX  <  =  > XXXIV + LIX

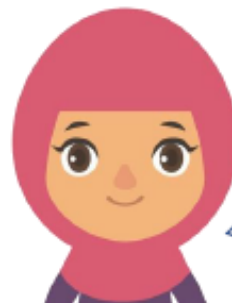
5b. Use these Roman numerals to write 3 calculations using addition or subtraction totalling no more than 100.

XLIII	XXXIV
XCVII	XXIX



PS

6b. Thalia says:



Adding 3 Roman numerals which include X will always total more than 30.

Is her statement correct? Prove it.

11a. Complete the calculations giving your answers as Roman numerals.

XXXVIII		
		XXXIV
XLIV		



12a. Complete the bar models.

A		XLI	B	IV	C
	LXVI	IX			
				XCV	



13a. Fill in the missing Roman numerals in the number sequences.

	XXII	XLIII		
LI		LXXIII		XCV



14a. True or false?

XXVII	+	XXXIV	+	XXIX	=	XC
-------	---	-------	---	------	---	----

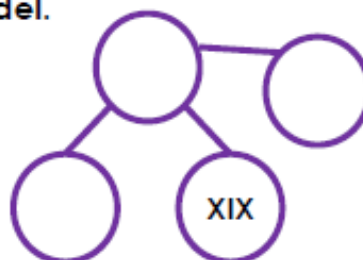


15a. Circle the correct symbol.

$<$ 
  $=$ 
  $>$

$XCV - LIV - XXVI$ 
  $=$ 
  $XCVI - LXXV - IX$

7b. Using these numbers, find as many ways as you can to complete this part whole model.



LXXVII	XLI	XXXIV	XCIV
XXIV	LXXXVII	LXXXIV	L

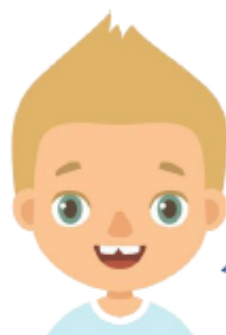


8b. Use these Roman numerals to write 3 calculations using 2-step addition and subtraction totalling no more than 100.

LXXXIX	LXIV	XIII
XXI	XXIX	XVII



9b. Jay says:



If I add together a Roman numeral with a V, X and L, my answer will always be greater than 65.

Is his statement correct? Prove it.

## Challenge

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
	LXX V	LXX VI	LXX VII	LXX VIII	LXX IX
LXX XIV	LXX XV	LXX XVI	LXX XVII	LXX XVIII	LXX XIX

XXI	XXII	XXIII	XXIV	XXV
XXXI	XXX II	XXX III	XXX IV	XXX V
XLI	XLII	XLIII		
	LII	LIII		
		LXIII		

XLIV	XLV	XLVI	XLV II
LIV	LV	LVI	LVII
LXIV	LXV		
LXX IV			

2. Two friends are discussing these Roman numerals.



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.

Investigate whose statement is the most accurate and prove it!