

Spring Term 1.

Mrs Brown's Arithmetic Group.

Week 2.

Date: Week 1



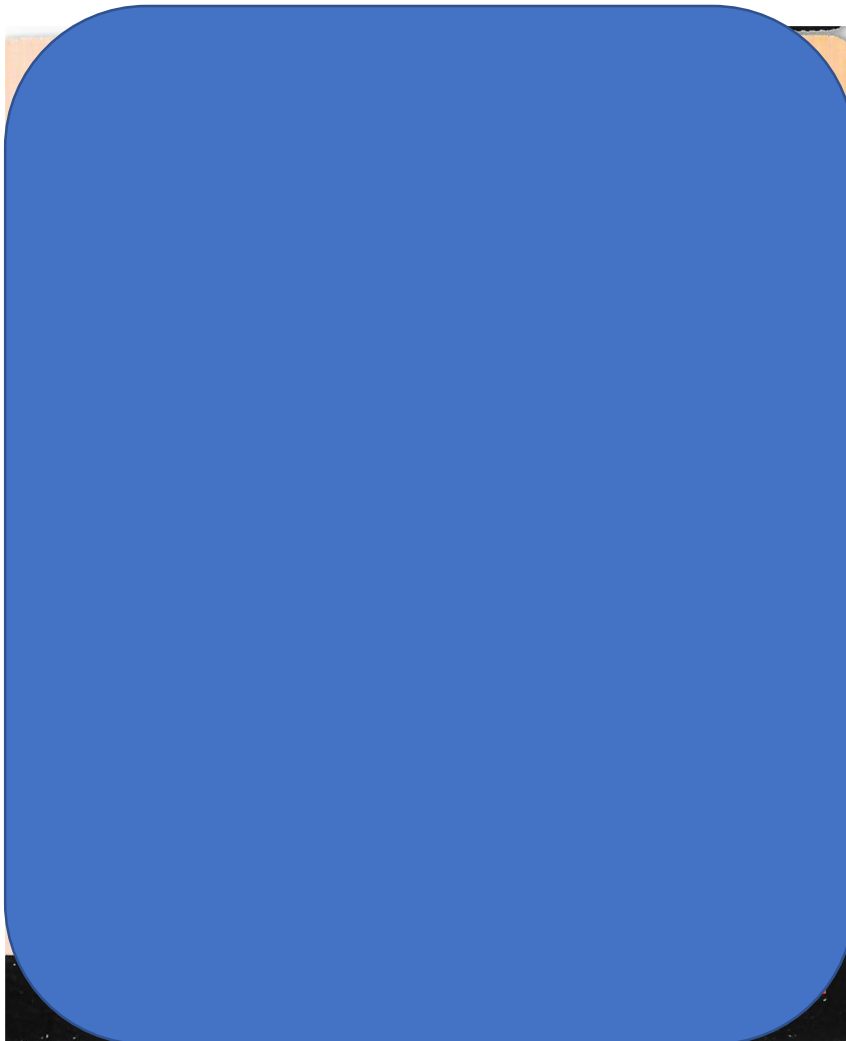
Title: Arithmetic

Title	Ingredients
Roman Numerals.	<ul style="list-style-type: none">- Add digits after the largest value digit- Subtract digits before the main digit.

Key words/terminology:

In your books...Logic Puzzle!

- Before you write the date and the title, do these:



JUST THE TICKET

There were four prizes in a raffle. The winning ticket numbers were 008, 065, 106 and 173. All the tickets were different in colour, and all the prizes were different.

A box of chocolates was won by the owner of a pink ticket with an odd number on it. A bottle of wine was one of the prizes but it was not won by the owner of a green ticket.

Only the white ticket had a lower number on it than the ticket that won the teddy bear.

The blue ticket had a greater number than the ticket that landed the prize of a basket of fruit.

To help give out the prizes, can you work out the winning number and the ticket colour for each prize?

??1??????????????????

Roman Numerals



A Short History

- Roman numerals originated in Ancient Rome. They are believed to have come from the ancient Etruscans.
- The symbol for “1” probably began as a simple tally mark made in wood or dirt as a way of counting and recording. It would be a very easy mark to make on a wax tablet, too.



How to Form the Numbers

Number	Equation	Roman Numerals
12	$10 + 2$	XII
7	$5 + 2$	VII
9	$10 - 1$	IX
40	$50 - 10$	XL

Subtraction =
LEFT

Addition =
RIGHT

Examples

$$8 = 5 + 3 = \text{VIII}$$

$$19 = 10 + 9 = \text{XIX}$$

$$40 = 50 - 10 = \text{XL}$$

$$90 = 100 - 10 = \text{XC}$$



Now try these:

$$6 = 5 + 1 = VI$$

$$17 = 10 + 7 = XVII$$

$$29 = 20 + 9 = XXIX$$

$$30 = 10 + 10 + 10 = XXX$$



Now try these:

15 = XV

35 = XXXV

21 = XXI

46 = XLVI

26 = XXVI

49 = XLIX

33 = XXXIII

50 = L

Now try these:

70 = LXX

80 = LXXX

83 = LXXXIII

89 = LXXXIX

90 = XC

100 = C

Final Challenge!

Now try to convert today's day (_ / _ / _) to Roman numerals.

Well done!



Roman Numerals Worksheet

Translate these Roman numerals. Don't forget to show your working out!

① MD _____ ④ CXVI _____

② MCD _____ ⑤ DCLX _____

③ XXXIV _____ ⑥ CXIII _____

Write these numbers in Roman numerals.

① 35 _____ ④ 283 _____

② 100 _____ ⑤ 570 _____

③ 99 _____ ⑥ 27 _____

Arrange these numbers in size order (smallest to largest).

XXXV, XL, XXX, LX, LV, L, XLV, LXV

Arrange these numbers in size order (smallest to largest).

CL, CCC, CCL, C, CD, CC, L, CCCL

Count in hundreds from one hundred.

C, CC, _____, _____, D, _____, _____, _____, _____

Count in five hundreds from five hundred.

D, _____, _____, _____, MMD, _____, _____

Complete these calculations.

① $CD + DC =$ _____ ④ $XL + LX =$ _____

② $VI + IV =$ _____ ⑤ $CM + MC =$ _____

③ $XI + IX =$ _____ ⑥ $CX + XC =$ _____

Do these in your book.

