Roman Numerals

Insert the missing Roman numerals:

> I, II,   , IV, V, VI,   ,   ,   ,X

Someone made a mistake when writing these Roman numerals. Can you rewrite them correctly?

1. VIIIII =

2. IIIII =

3. VV =

Some addition and subtraction problems are easy with Roman numerals. For example,

1. V + I =

2. V + III =

3. III - I =

4. VII - I =

Other addition and subtraction problems are more complicated:

1. III + II =

2. VI - IV =

3. V + IV =

4. VI - II =

5. V + V =

6. X - VI =

7. IV + IV =

Move a stick!

These Roman numerals are made out of sticks. Someone solved all the addition problems, but made many mistakes! Can you move one stick in each equation to make them right? Share your answer with the person sitting next to you. There may be more than one way to correct the problems!

1. II + II = VI

2. VI + II = VI

3. IV + IV = X

4. XI + IV = XIII

Insert missing Roman numerals:

X, XI,   ,   ,   , XV,   ,   ,   , XIX, XX

Someone made a mistake when writing these Roman numerals. Can you rewrite them correctly?

1. XVIIIII =

2. XIIIII =

3. XVV =

Solve these addition and subtraction problems:

1. XV + II =

2. XX - I =

3. XVI - II =

4. IX + VI =

5. XVII - V =

Move a stick to correct these problems:

1. XIX - IX = VIII

2. XI + IV = XIII

3. IV + VI = XII

4. XX - IV = XIV

5. XIX - VI = XV

More Roman numerals

Figure out what the Roman Numerals XX and XXX stand for if

$$X + X = XX, \quad X + X + X = XXX.$$

$XX =$
$XXX =$

Here are more Roman Numerals:

Fifty $= L$
One Hundred $= C$
Five Hundred $= D$
One Thousand $= M$

Figure out what the Roman numerals below mean:

1. DL $=$

2. CCXIV $=$

3. DVIII $=$

4. MMCC $=$

Advanced Roman Numerals

Now that you're an expert in writing in Roman numerals, let's try writing bigger numbers. Write the following decimal numbers as Roman numerals.

1. 630

2. 830

3. 1000

4. 1516

5. 3556

6. 1210

7. 5763

8. 2222

9. Write today's date in Roman numerals.

Great! Let's now convert the following Roman numerals into numbers.

1. CMIII =

2. CCXXXVI =

3. CLXXVII =

4. MMIX =

5. MDCCXIII =

6. MCCCXXIX =

7. MMDCCCLIX =

8. MMMCCCLXXXII =

9. MMMCCXLV =

Move a stick to correct the following problems.

1. XIV - V = IX

2. XXXII - IV = XXVI

3. LI - XVIII = XXXV

4. CLI-XXVII = CXXII

5. LX - XXXIII = XXVII

Homework

1. MDCLXVI =

2. Write your birthdate using Roman numerals.
For example, Katherine's birthday is 08/11/1990,
which is written in Roman numerals as VIII/XI/MCMXC.