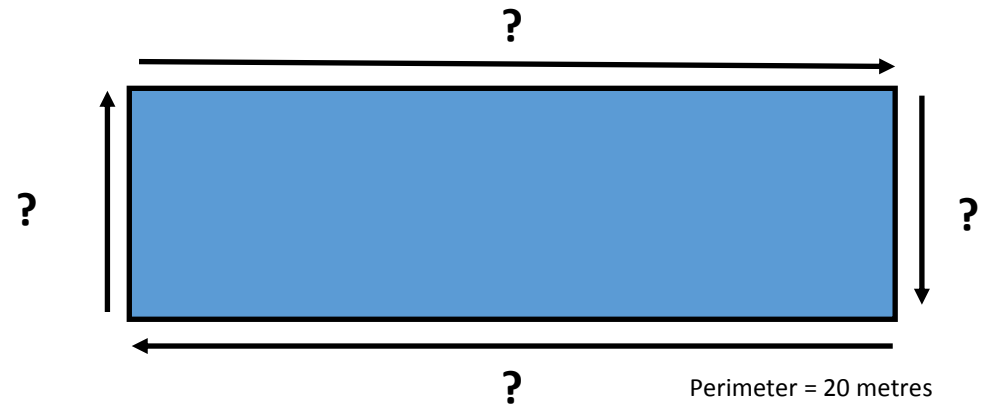# Roman Perimeter Problem!

Augustus is a farmer who keeps hens.   He wants to make a rectangular pen to allow his hens to run around in freedom.

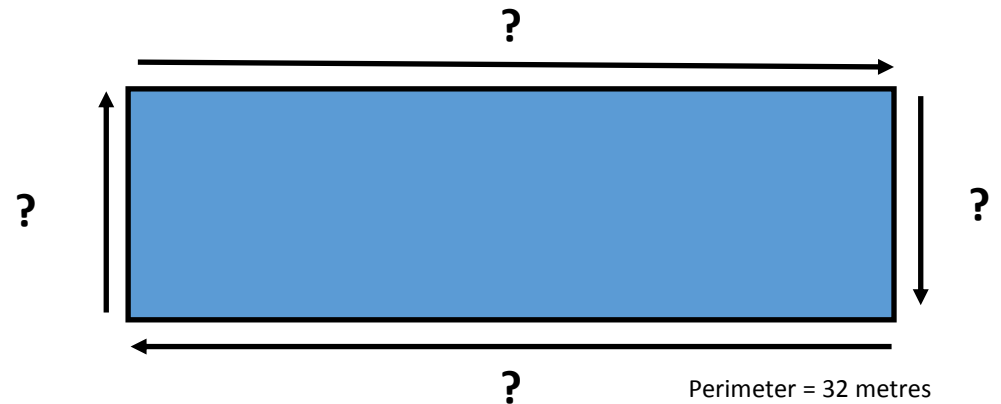He wants the perimeter of the pen (the measurement around the outside) to be 20 metres.

None of the sides can be an odd number. How many possibilities are there?

Record the possibilities here:

?

?

?

?

Perimeter = 20 metres

EXT: This field has a perimeter of 32 metres and none of the sides are even in length. What are the possibilities?

Record the possibilities here:

?

?

?

?

Perimeter = 32 metres

To get you started:

I = 1   L = 50

V = 5   C = 100

X = 10

What are the numbers?

XXX =   XIX =

C =   CCX

XL =   XC =

XCV =   XXXVI =

XCX =   LXXVII =

Write the answers as Roman numerals:

56 [ ]

120 [ ]

45 [ ]

88 [ ]

153 [ ]

Write the answers in Roman numerals!

XXX + 10 =   XX x 3 =

XIX—3 =   XXXII + 29 =

CC + 53 =   C - 20 =

XLV + 12 =   VII x 4 =

5 x VI =   C + L + 20 =

Write the missing Roman numeral on the line:

5 x _____ = 25   25 + _____ = 50   35 - _____ = 20

XXX + _____ = 42   23 x _____ = 230   40 - _____ = 24

Roman Word Problems—Addition and Subtraction

Work out the value of the Roman numerals and then solve the problem. <u>Write your answer in Roman numerals and number form</u> and remember your units of measure!

1   There were XXV donkeys working in a field and XVI in the yard. How many donkeys were there altogether?

2   Levictus stoned CX green olives and then ate XXV of them. How many green olives did he have left?

3   Julius collected XLVI grapes and was given XXII more by Apollo. How many grapes did Julius have altogether?

4   Marcus lost XXVI of his CXXV hens. How many did he have left?

5   There were XXXVIII cows, XV goats and VII sheep on a farm. How many animals were there?

6   There can be XC people in the Roman baths. There are LVI people in there at the moment. How many more can go into the baths?

7   CCCL books are in the Zeus' library. CCV books are being read. How many can still be borrowed?

8   A mosaic has XXV more red tiles than blue. There are LXX blue tiles. How many are red?

9   Atticus has CXV rooms in his Roman villa. LXXVI were occupied. How many are empty?

10   In Battle, each side lost CLX men. How many was that altogether?

Create a fact-file about an Roman God or Goddess.

Things that you could include:

A drawing of your God/Goddess

A picture of their symbol.

What were they God/Goddess of?

Any family information you can find.

Any interesting facts about your God/Goddess.

What was their role/ What tasks did they perform?

How were they worshipped?

Feel free to include ideas of your own!

Create a glossary to define the following Roman words: Choose any ten words.

Legion	Hypocaust	For Example:
Centurion	Latin	
Gladiator	Londinium	**Bulla**
Slave	Mausoleum	A special locket worn around children's neck, given to them at birth. It contained an amulet as a protection against evil and was worn on a chain, cord, or strap.
Aqueduct	Mosaic	
Pilum	Myth	
Gladius	Strigil	
Frigidarium	Stylus	
Caldarium	Villa	
Amphitheatre	Senator	
Barbarian	Cavalry	
Basilica	Bulla	