



Lesson 6.2

At sea and settlement



Persons aboard The Unity were given free medical care. The surgeon brought medicine and instruments from Zeeland. Amongst other things the trunk contained medicine against many of the most common ailments, such as diarrhea (the runs), dysentery (bloody flux), scurvy and malaria (fever). Prior to departure the trunk was inspected and carefully sealed. The surgeon was given the key and was responsible for the content of the trunk during the voyage.

① Roman numerals

In the time of The Unity, many people used Roman numerals to calculate.

The Romans used the following symbols:

I = 1

V = 5

X = 10

L = 50

C = 100

D = 500

M = 1000

The order of the characters has a different function then in the numbers we use now.

Look at these examples:

VI = 6

IV = 4

CX = 110

XC = 90

XCIV = 94

What do you notice?

Write the year 1761 in Roman numerals:

And what year is it now in Roman numerals?

② Convert to Roman numerals

Write the following numbers in Roman numerals:

1 = 34 =

2 = 50 =

4 = 55 =

5 = 60 =

8 = 70 =

10 = 73 =

16 = 79 =

12 = 100 =

15 = 200 =

20 = 300 =

21 = 400 =

28 = 500 =

30 = 600 =

③ What number is written here?

XII = XLVI =

XVIII = LVIII =

XXVI = LXXVII =

XXIX = CIII =

XLIV = CCXV =



④ Roman numerals

What are Roman numerals still used for?

1.
2.
3.
4.

⑤ Surface area

Which book has the largest surface area?

- a logbook 240 x 170mm
- b cookbook 160 x 250mm
- c cashbook 210 x 190mm
- d journal 180 x 220 mm

Around a plot of land measuring 240 cm long and 170 cm wide a 3-layered wire is spun. How many meters of wire is needed for this?

- a 1230 meter
- b 2460 meter
- c 122400 meter
- d 820 meter

The circumference of a rectangular plot of land is 540 meters. The length is 180 meters

The surface area is m².

Tip: use this box for your calculations ↓



⑥ Sails

This is a 3D model of The Unity.
How many rectangular sails do you see?

.....
Are all the sails visible?

....., because

The Unity was 22.5 m. long and 7 m. wide.
What would be the approximate surface area of the deck?

..... m².

Make an estimate of the surface area of the largest sail.

Width: m.

Height: m.

Surface area: m²

Can you give an estimate of the total surface area of all sails?

..... m².

