



### Lesson 3.1

## Circumstances on board

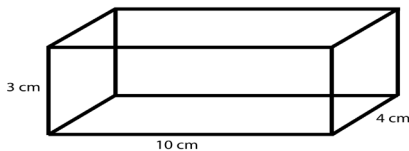


Life on board was very structured. Each day began with prayer. At 8 o'clock everybody went to work. There was always something to do, such as cleaning, making repairs and keeping watch.

Once the crew boarded the ship they were divided into watches. Almost every watch lasted four hours. The duration of the watch was measured by an hourglass, or glass. Each glass lasted half an hour. After each half hour the hourglass was turned over while simultaneously ringing the ships bell so all members of the crew knew half an hour had passed.

### ① Calculate the volume

The transport of goods was done in several ways. Many goods were transported in crates. Calculate the volume of these crates..



length x width x height =

Trunk



3 dm x 4 dm x 2 dm =

Crate for kitchen supplies



2,5 dm x 5 dm x 2 dm =

### ② Convert

30 l = ..... cl  
 1500 ml = ..... dl  
 12 dal = ..... cl  
 6 hl = ..... l  
 5000 hl = ..... l  
 6600 ml = ..... dl  
 700 cl = ..... l  
 20000 ml = ..... l  
 63 hl = ..... dal

### ③ What goes .....?

What goes with what? Choose from:

*1 mm<sup>3</sup>, 1 cm<sup>3</sup>, 1 dm<sup>3</sup>, 1 m<sup>3</sup>, 1 dam<sup>3</sup>, 1 hm<sup>3</sup>, 1 km<sup>3</sup>*

A sugar cube: .....

An iceberg: .....

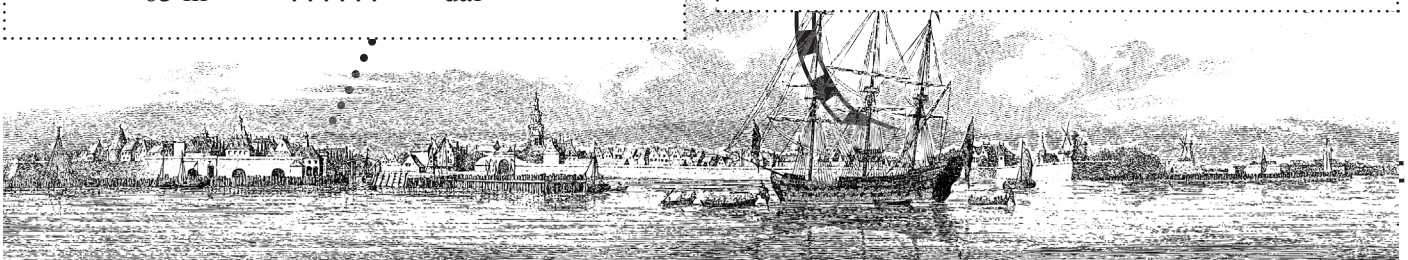
A mound of garden soil: .....

A grain of sugar: .....

An Olympic pool: .....

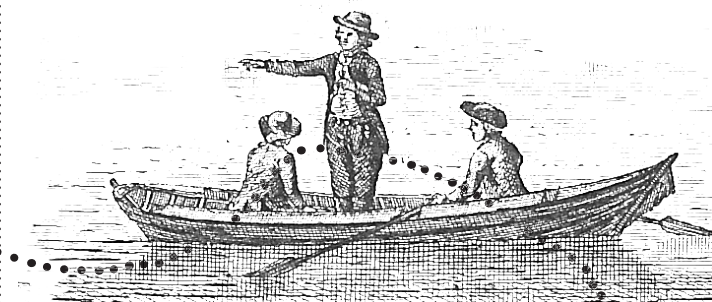
The Eiffel tower: .....

A liter of cola: .....



#### ④ Convert

3.2 kg	=	.....	g
9437 g	=	.....	kg
0.67 kg	=	.....	g
6 ton	=	.....	kg
3.4 ton	=	.....	kg
0.08 kg	=	.....	g
70291 kg	=	.....	ton
3523 ml	=	.....	l
184 ml	=	.....	dl
184 ml	=	.....	cl
667 cl	=	.....	dl
1.9 dl	=	.....	ml
9030 ml	=	.....	l
3.2 dl	=	.....	ml



#### ⑥ How much do things weigh?

Make your own list:

1 g	.....
100 g	.....
1 kg	.....
100 kg	.....
1 ton	.....
100 ton	.....
1 ml	.....
1 cl	.....
1 dl	.....
1 l	.....
100 l	.....
10000 l	.....

#### ⑤ What is the content of your class room?

Measure the length, width and height of your class room.

length .....

width .....

height .....

Calculate the content.

content: .....

How many students are there in the room?

.....

How many students do you think would fit in?

.....

