



A) An orienteering race was held on a forest trail. 1 flag was placed at the starting point and 1 flag at the end of the route. Along the route, 7 more flags were placed in hidden places. From the start to the finish, the flags were 3 meters apart.

What was the length of the route?

(Draw the route)

Goals:**For students**

- to understand which elements of the problem are useful to solve it
- to realize that a problem can be solved in different ways
- to embed that multiplication is a short form of addition so multiplication can replace addition
- to work in teams and collaborate
- to respect each other.

B) 3 teams participated in the race.

Team A reached the finish line after **25'**.

Team B reached the finish line after $\frac{3}{4}$ of an hour.

Team C reached the finish line in **0.5** hours.

Which team won?

Goals:

For students

- to understand that the representation of a time period can be done by using an integer number either a decimal number or fraction.
- to realize how they can measure and compare time in each case.
- to use different ways to solve the problem and verify it (by painting, using math operations, visual aids)
- to cultivate 21st century skills, 4C's (creativity, critical thinking, cooperation, collaboration)