



#### **Lesson plan**

### "Going for a walk"

Short description of the activity	Maths is everywhere! This exhibit tells the story of Sasha and Max as they go for a walk in Montmartre, Paris, and solve various mathematical exercises on the way. Together, they study the shapes, volumes and lengths of the urban environment around them amongst other things.
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Level of difficulty	Level 2
<b>Duration of the activity</b>	15 min
Number of participants	Classroom activity. (1 professor with 5 to 30 students)
Inventory of the hands-on exhibit	<ul><li>1 laptop</li><li>1 projector</li><li>1 white board or screen</li></ul>

Digital skills required of children	click
Skills worked on	<ul> <li>quantities and measurements:</li> <li>lengths</li> <li>space and geometry:</li> <li>finding your way in space,</li> <li>plane figures,</li> <li>volumes</li> </ul>

#### Instruction and description of the activity, step by step

In this virtual workshop, several exercises are proposed. Each exercise must be solved in order to access the following ones.





Calculate the length of the walk

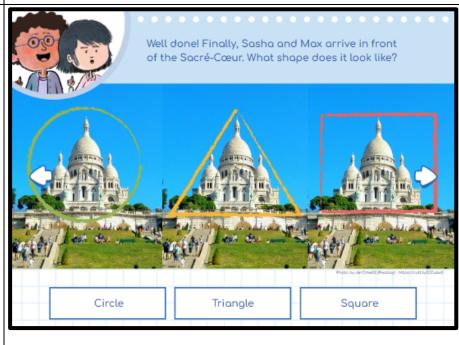
Answer: 500m

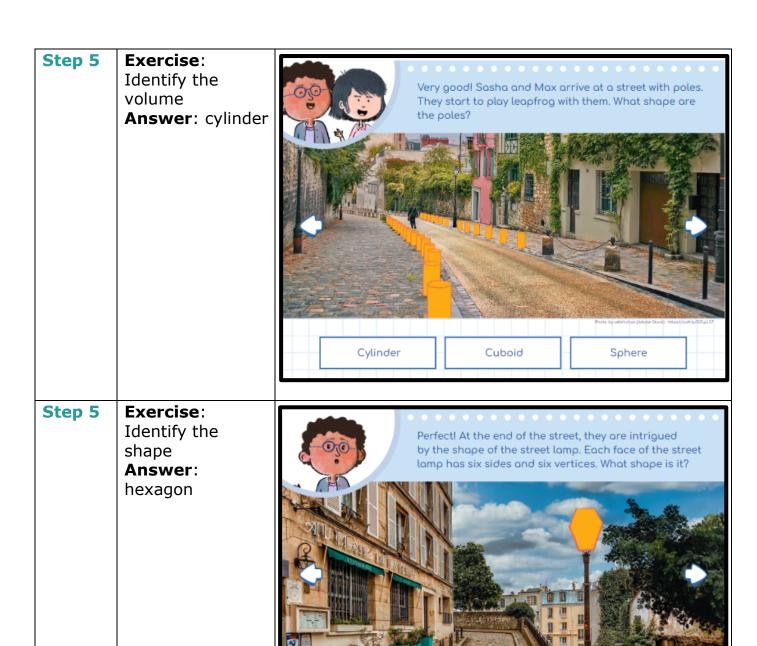


#### Step 4 Exercise:

Identify the shape

**Answer**: triangle

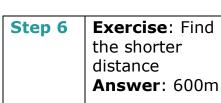


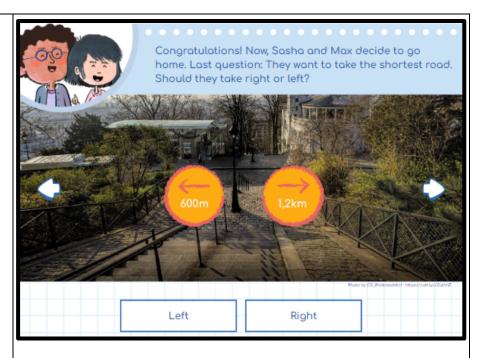


Square

Pentagon

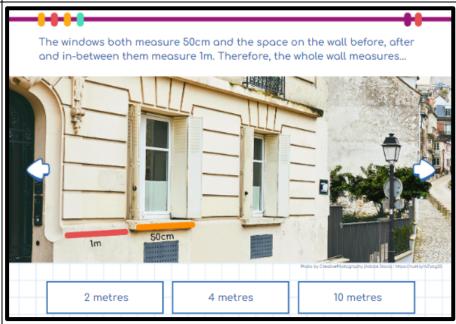
Hexagon





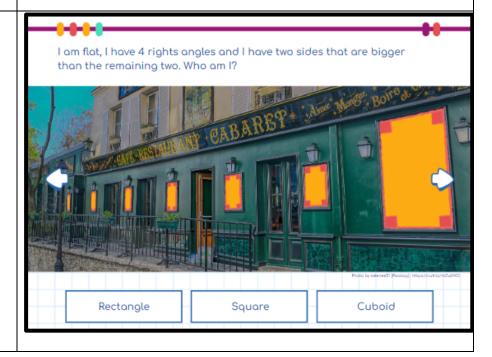
# Step 7 Exercise: Calculate the length of the façade

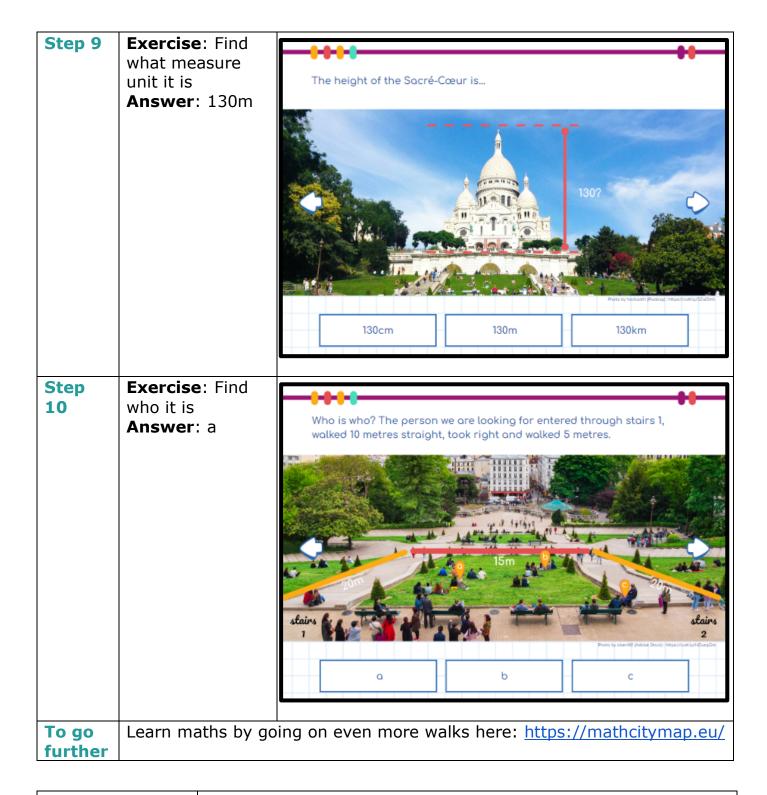
Answer: 4m



## Step 8 Exercise: Find what shape it is Answer:

**Answer**: rectangle





Resources Tutorial (to be created) for professors to contribute exercises on <a href="https://mathcitymap.eu/">https://mathcitymap.eu/</a>