



Co-funded by
the European Union

My Box Of STEAM Mathematics CONVERTING LENGTH UNITS



MEASUREMENT CONVERSION CHART

1 km(kilometre) = 1,000 m(metres)

1 m(metre) = 100 cm (centimetres)

1 m(metre) = 1000 mm (millimetres)

1m(metre) =10 dm (decimetres)

1 cm(centimetre) = 10 mm (millimetres)

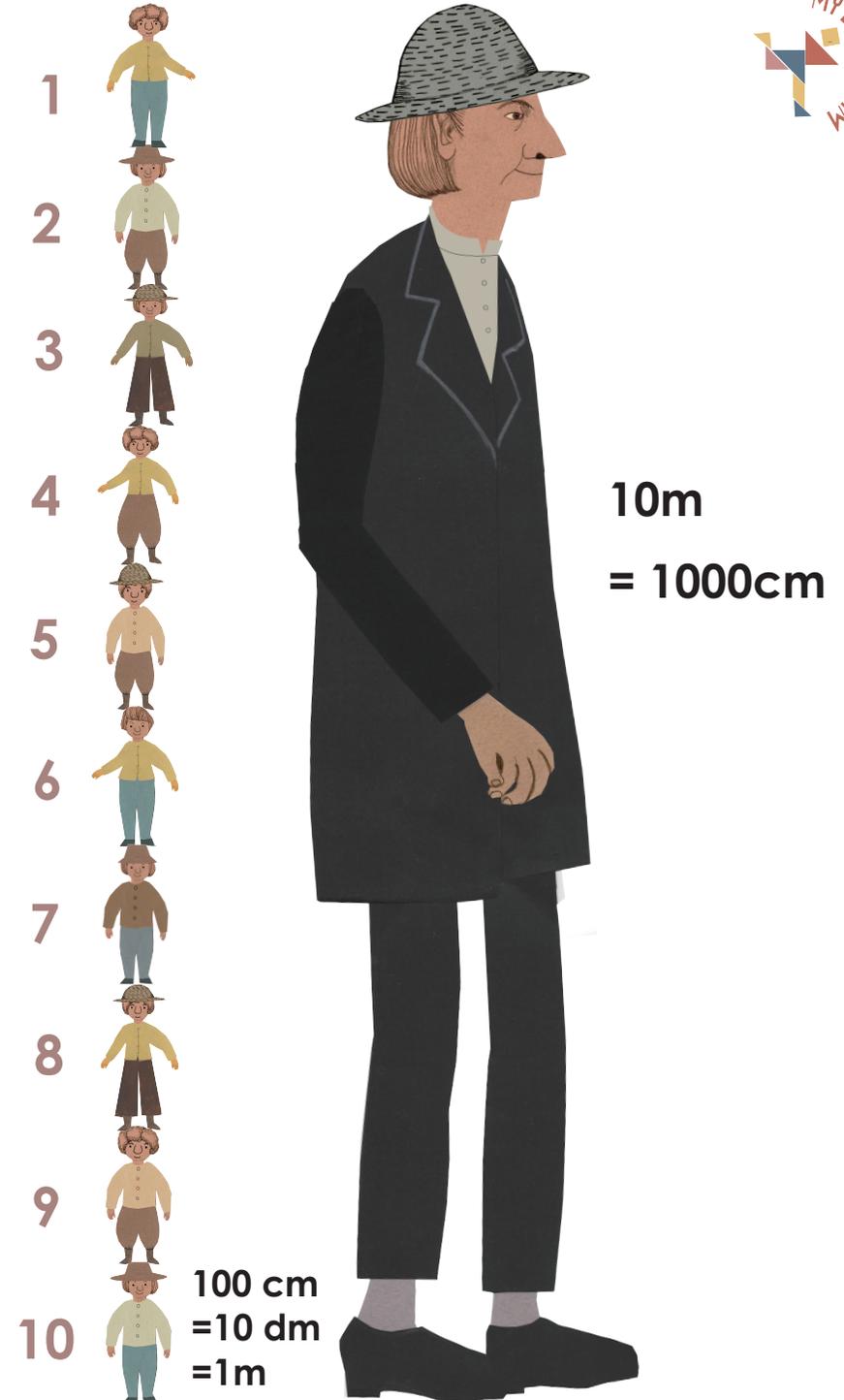
1inch = 2.54 cm

Inch is used in countries of Anglo-Saxon culture, such as the United Kingdom and the United States.

1 foot = 12 inches = 0,3048 m = 30,48 cm

1 yard = 3 feet

1mile= 1.760 yards = 5.280 feet



THE MEASURE OF HAPPINESS

In a narrow valley, on the opposite banks of a river, there were two villages. Both made up of delightful cottages, well-tended gardens, and happy children. However, not a day went by without the Tiny Decimeters (this was the name of the inhabitants of Deca village) quarreling with the residents of Metervillage.

The Decimeters were quite small; if you ever had the fortune to encounter them, you could easily hold them in the palm of your hand, while the Giant Meters (this was the name of the inhabitants of the other village), although not very tall, could easily tower over the Decimeters; in fact, they were true giants to them.

Despite this difference in size they got along quite well except when it came to measuring distances and taking measurements.

In fact, both peoples had a real passion for measurements, they measured everything: "How high is that mountain?"

"How far is that border?"

"It's not very far, it's only 40 fathoms away," said the Giant Meters.

"FOURTY!" shouted the Tiny Decimeters, immediately going mad with rage.

"That's not true it's much further than that it will be 4,000 fathoms!" they continued shrieking flapping their tiny feet.

As time passed, quarrel after quarrel had come to declare war on them.

There was not a day that they did not play tricks or spite on each other.

With their big feet, the inhabitants of Metervillage had crossed the river and trampled the Giant Meters' vegetable gardens. The Tiny Decimeters decided to take revenge, waited for night and on the backs of owls flew over the river, silently reaching the other side. In the bushes, lying asleep was a Giant Meter.



Co-funded by
the European Union

MY BOX OF STEAM (project nr. 2022-2-EE01-KA220-SCH-000099273) is funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.



Mathematics
"CONVERTING LENGTH UNITS"
All content is licensed under
CC BY-NC-ND 4.0.

One after the other they lay down beside the Giant Meter and since the Tiny Decimeters were all equally tall, they realised that to reach its height, ten Tiny Decimeters had to lie down. "Oh how wonderful!" they all said in chorus. Although the Tiny Decimeters were very small, they had very powerful voices and when they were happy they could be heard from far away. So their cries of joy woke the giant, who saw himself surrounded.

"We came to find a solution," said a Tiny Decimeter.

"We actually wanted to take revenge but then we realised why each other's measurements did not work and we found a solution: ten of us are equal to one of you. If we use this new unit of measurement we won't fight anymore!" and so it was. Since then Giant Meters and Tiny Decimeters have been getting along perfectly and if you passed through their valley, you would only hear their laughter and shouts of joy.



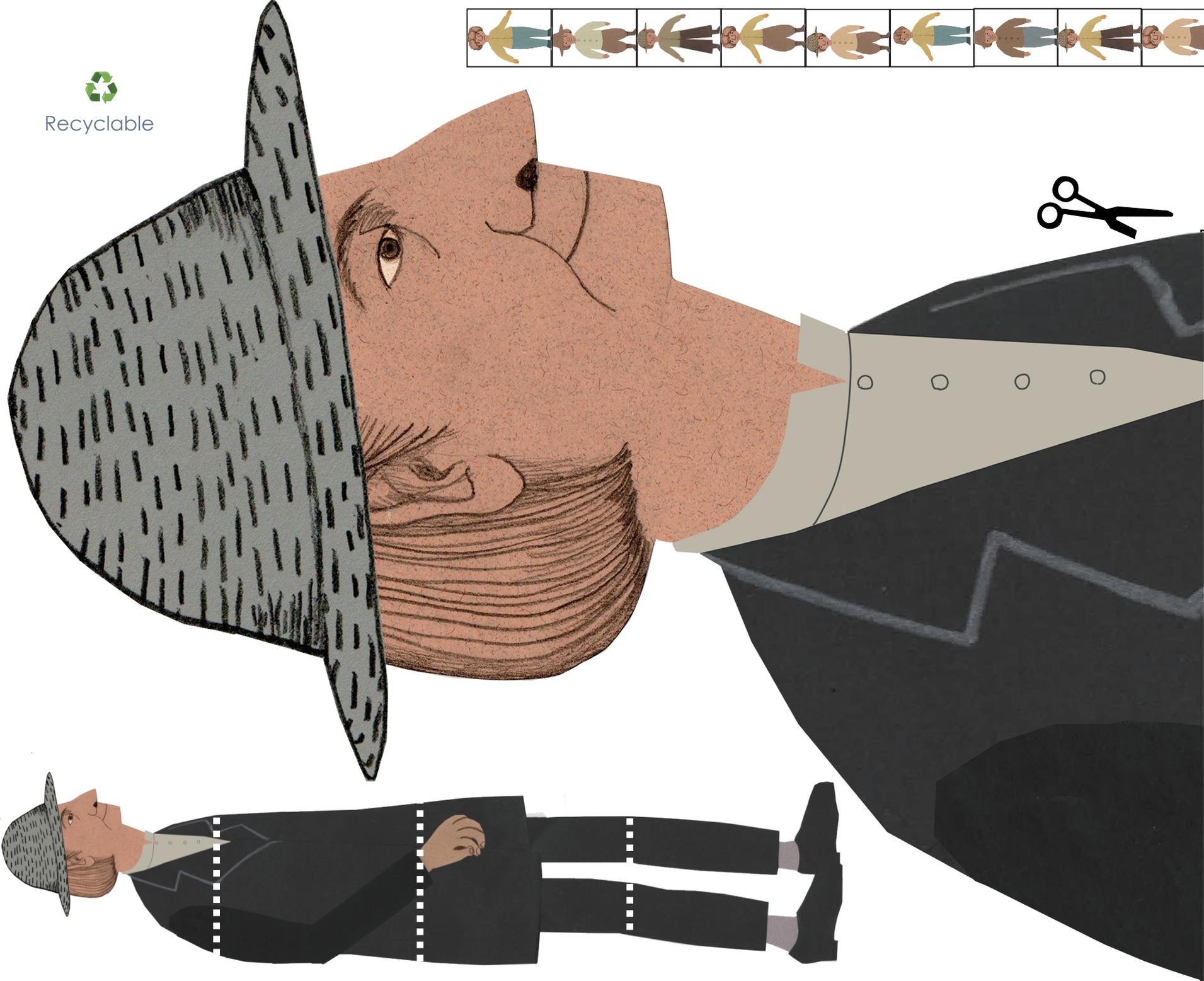
Co-funded by
the European Union

MY BOX OF STEAM (project nr. 2022-2-EE01-KA220-SCH-000099273) is funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

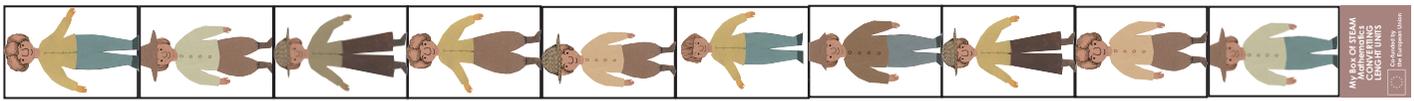


Mathematics
"CONVERTING LENGTH UNITS"
All content is licensed under
CC BY-NC-ND 4.0.


Recyclable



glue





Recyclable



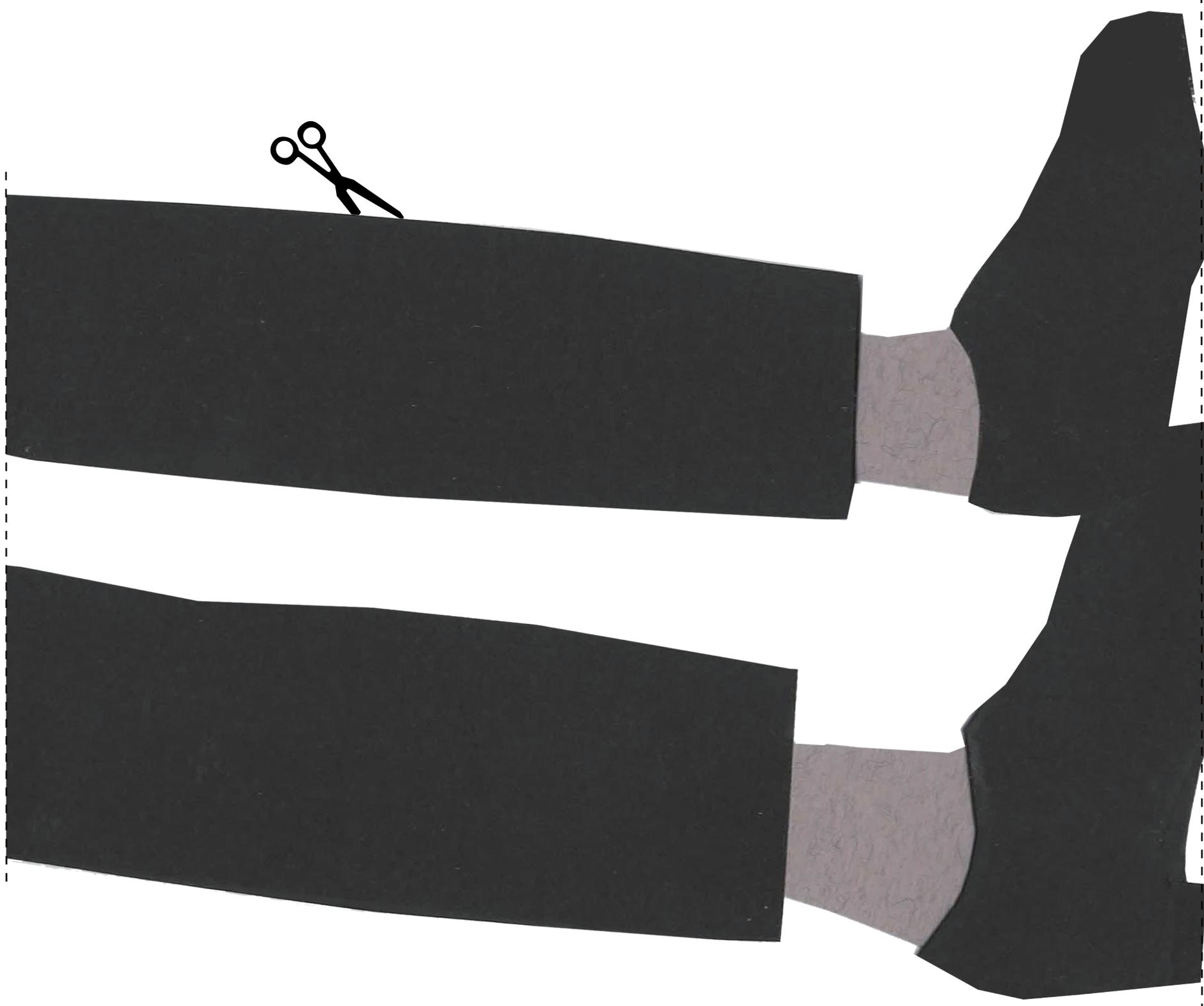
glue



glue



Recyclable



Recyclable



Recyclable



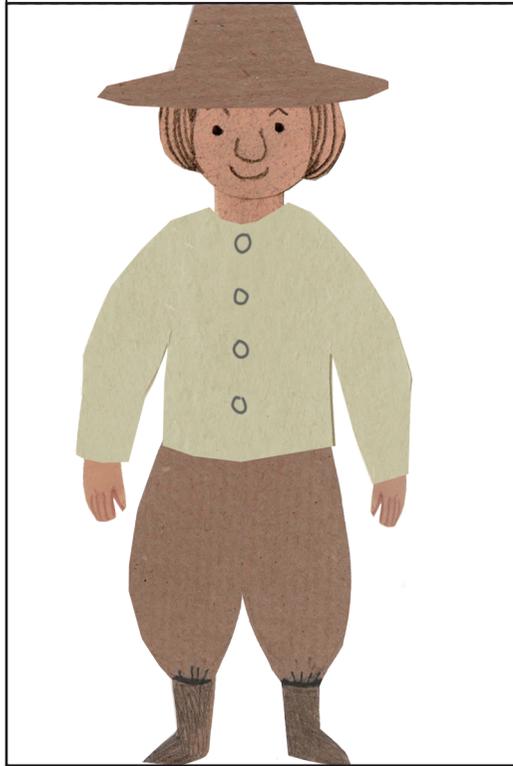
1



2 glue

3 glue

4 glue



5 glue



6 glue



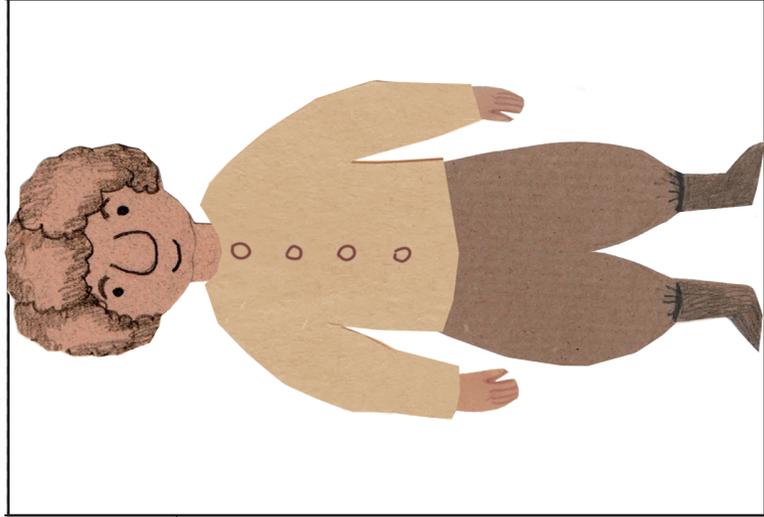
7 glue



8 glue



9 glue



10 glue



Recyclable

My Box Of STEAM
Mathematics
CONVERTING
LENGTH UNITS

Co-funded by
the European Union

