

* 10 dni z liczbą PI
Atelier 2 for STEAM
Cool π



3.14 - 3.24 2021

Co-funded by the
Erasmus+ Programme
of the European Union

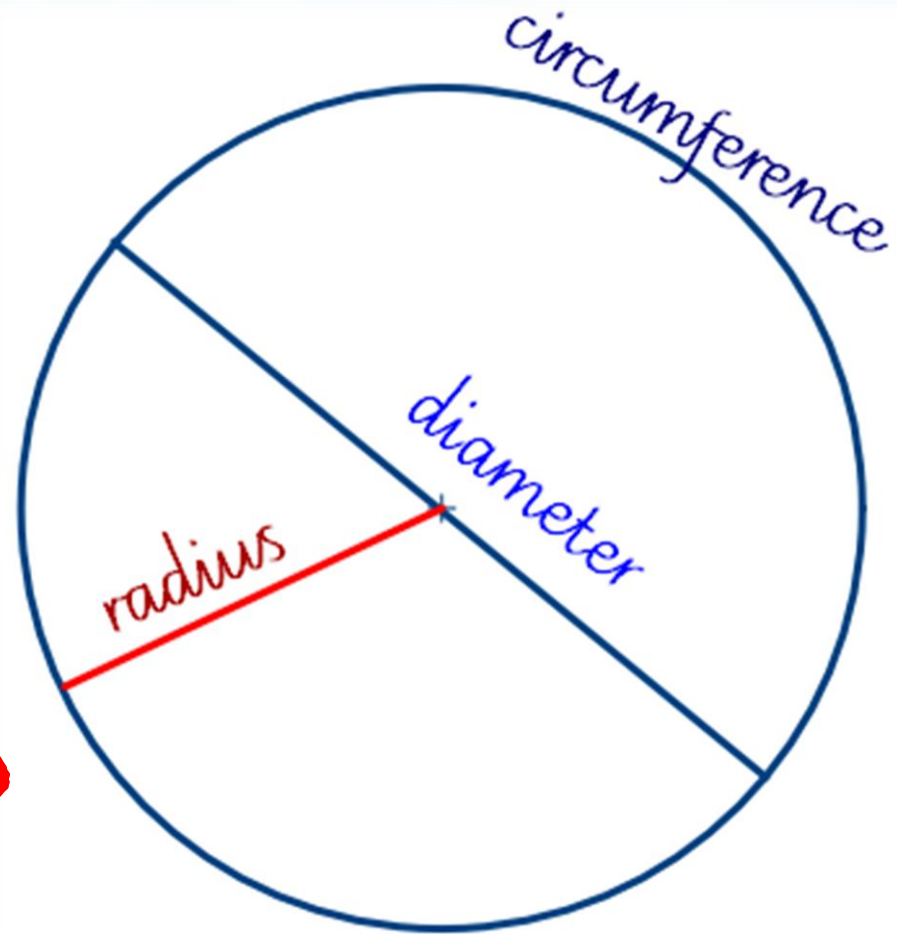


*Method

Cool π

CIRCUMFERENCE
DIAMETER

= ?

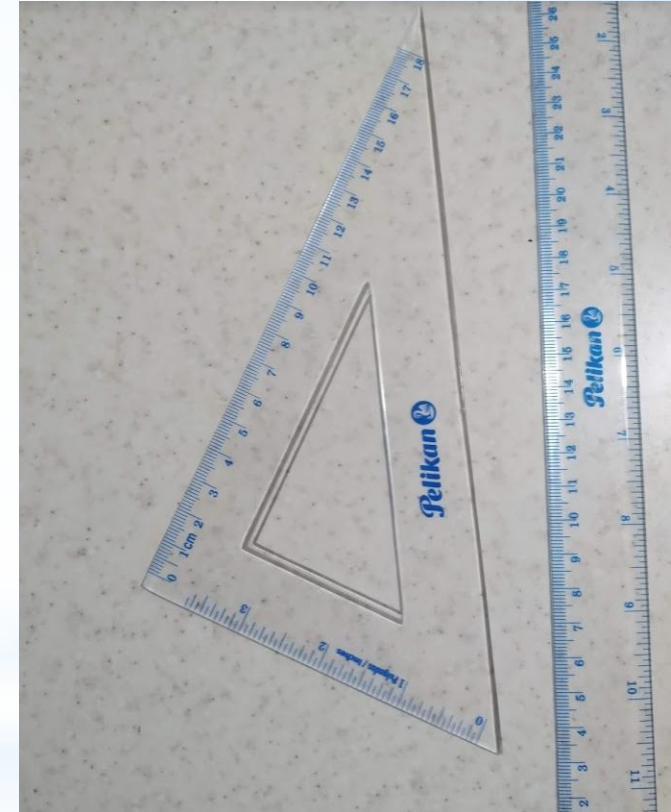


* Objects to make measurements



* Preparation





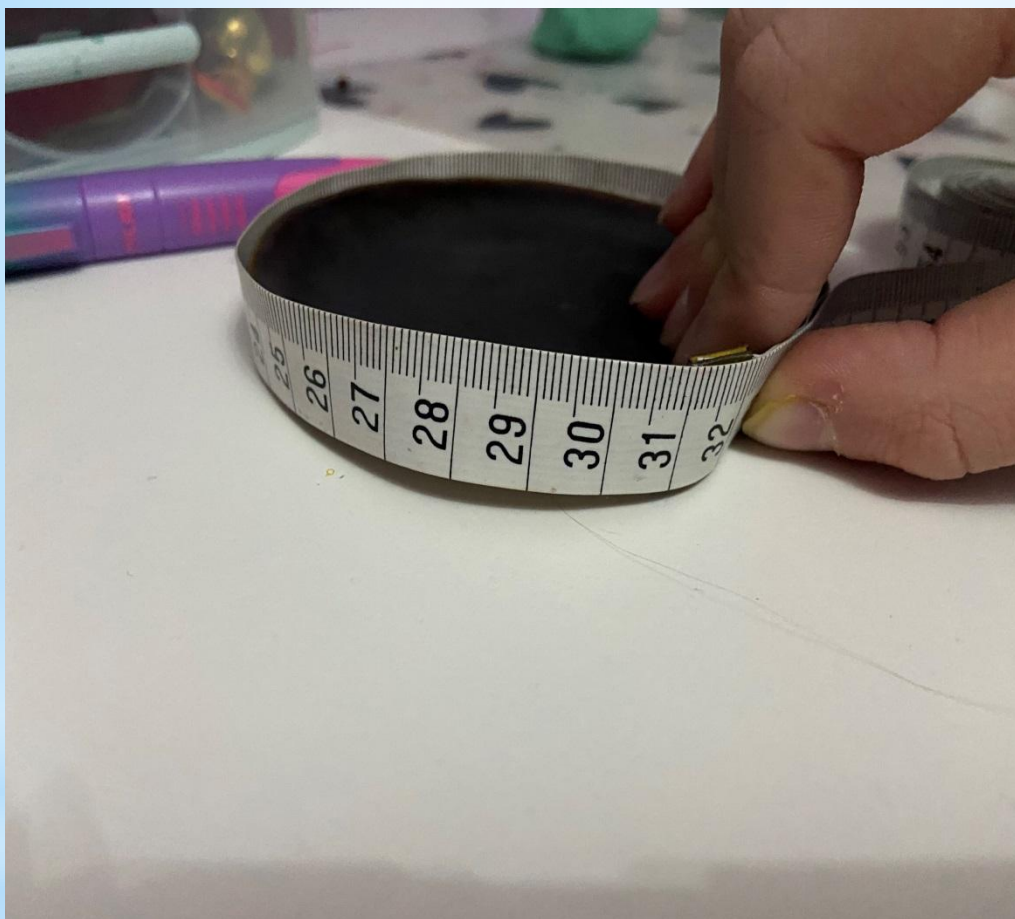
Measuring tools

*Photos of the measurements

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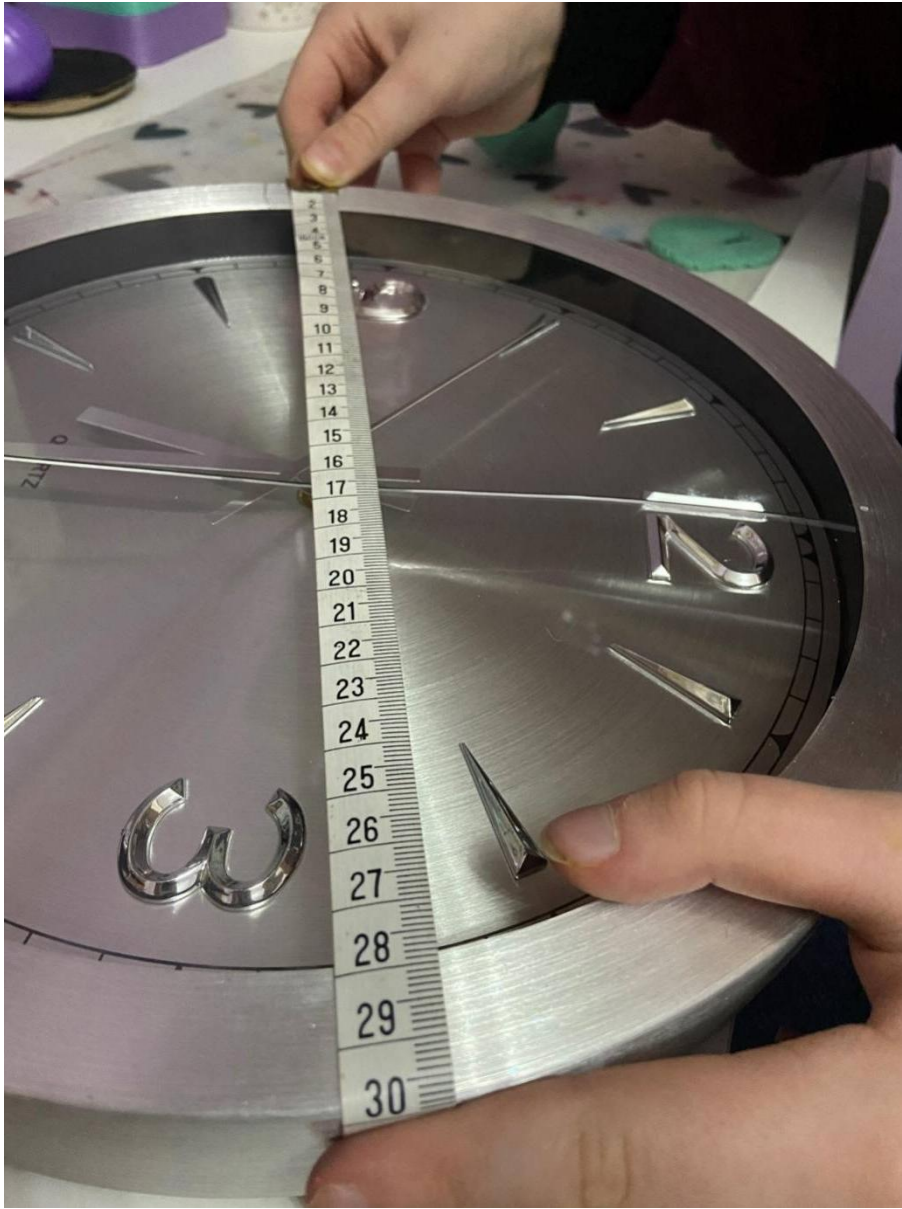
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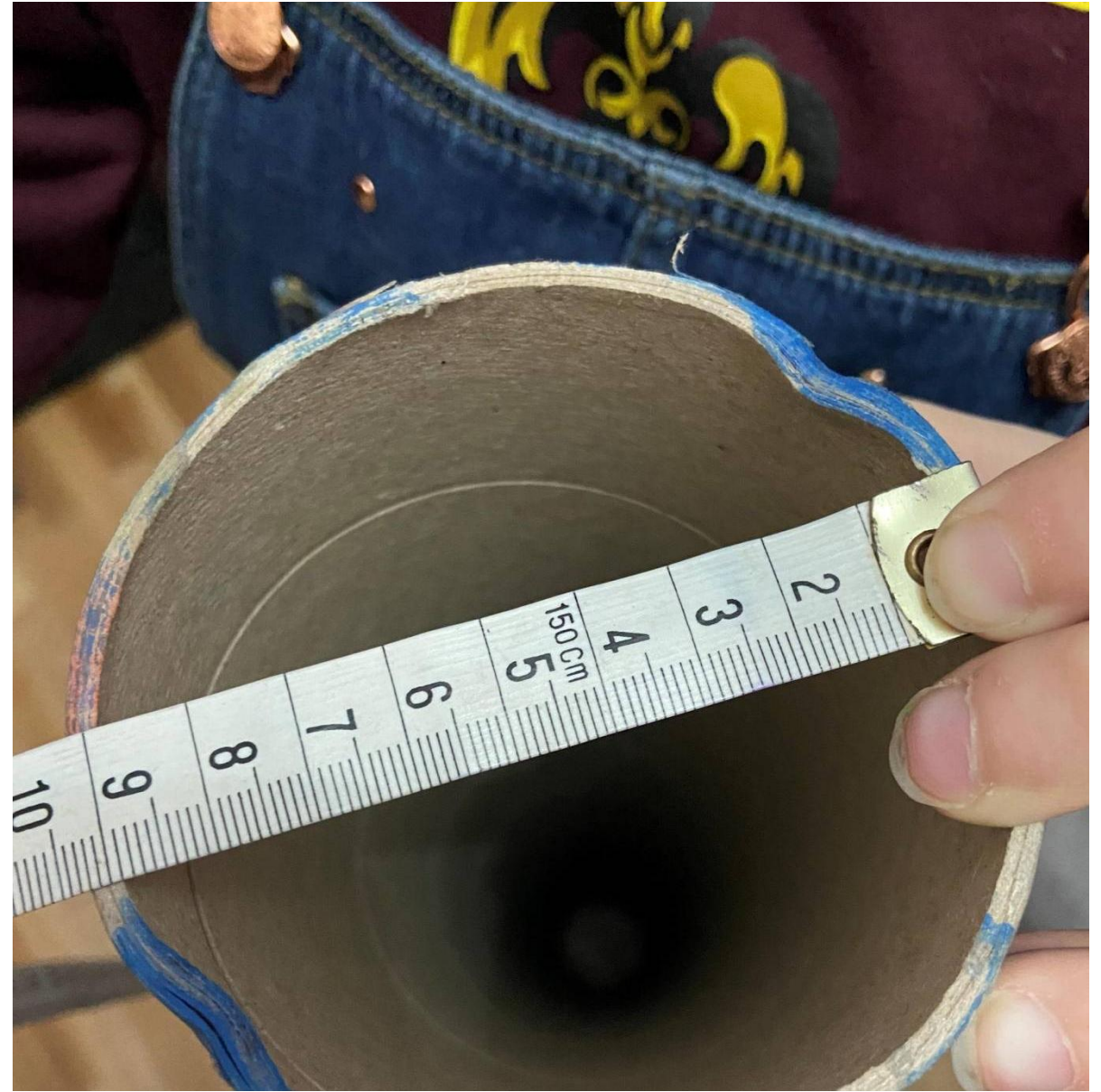


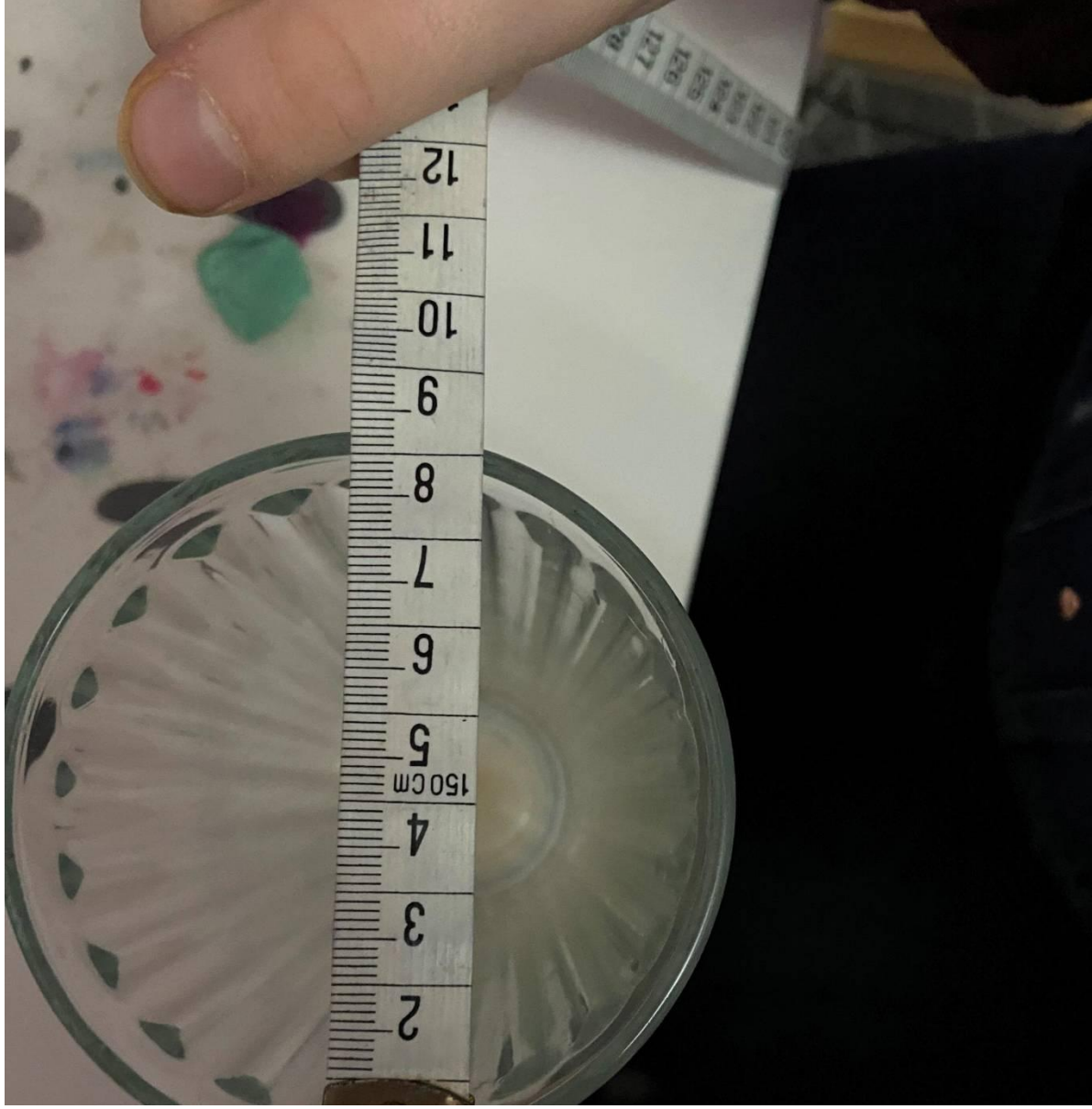


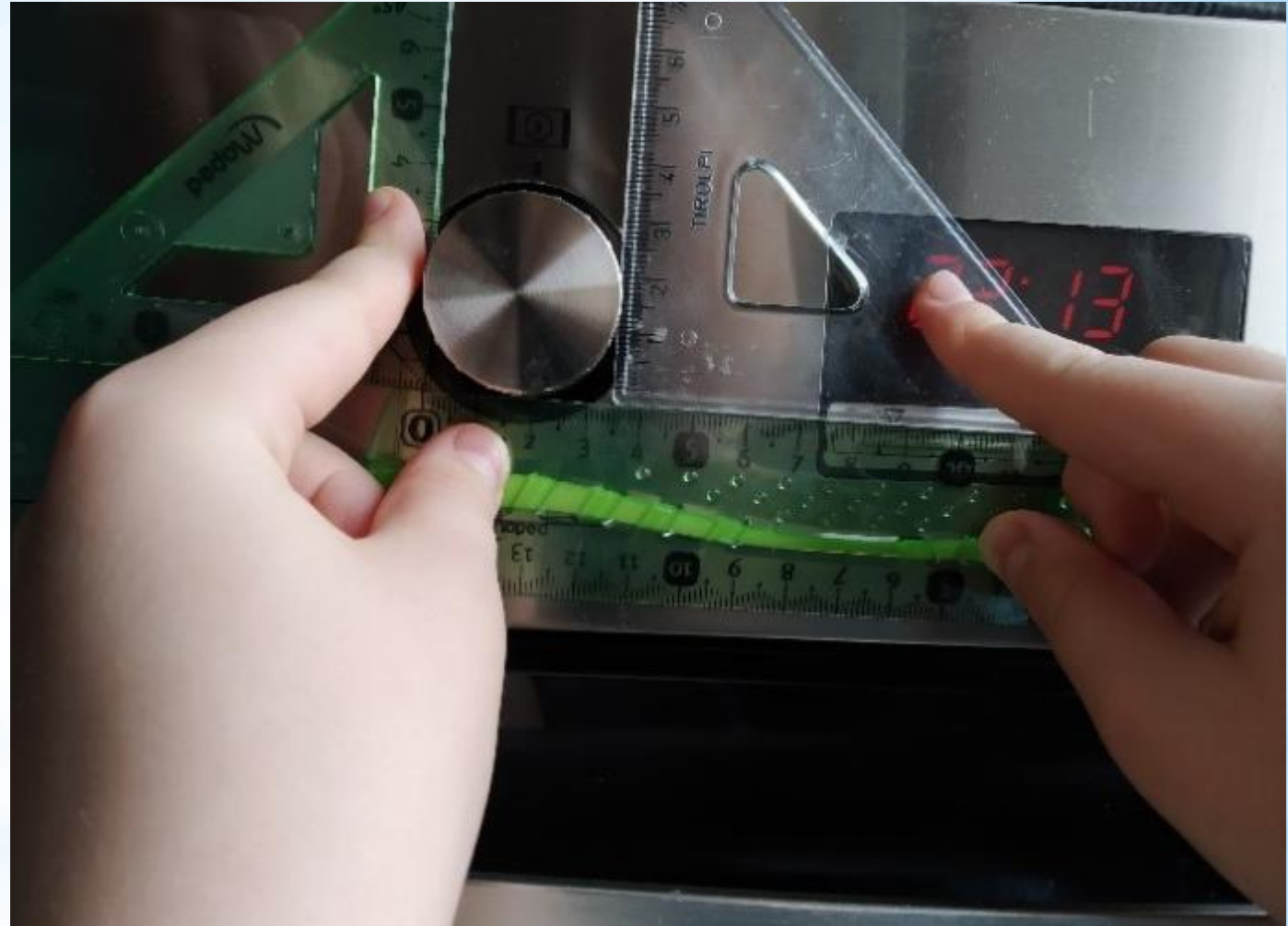
by Malwina











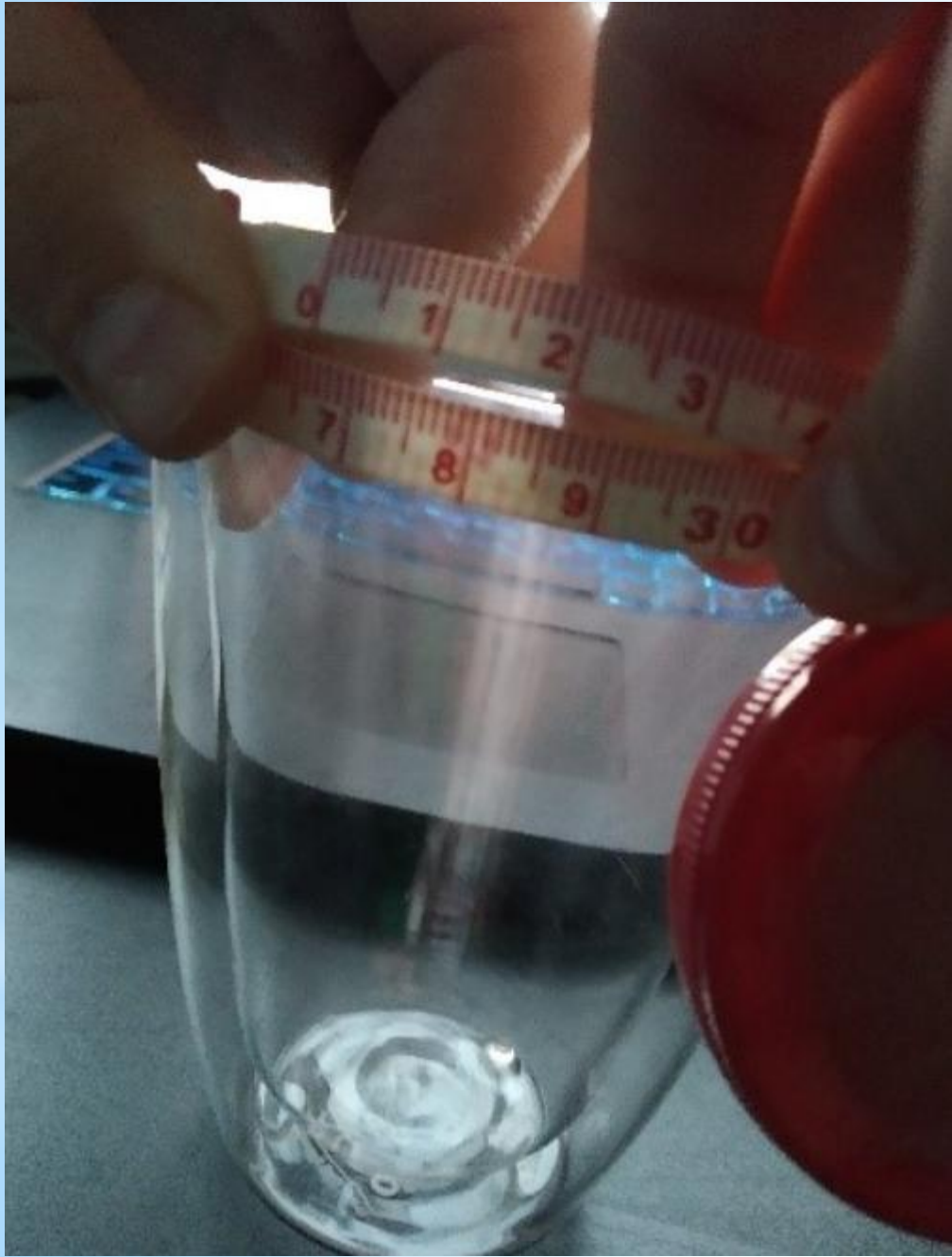
by Adam

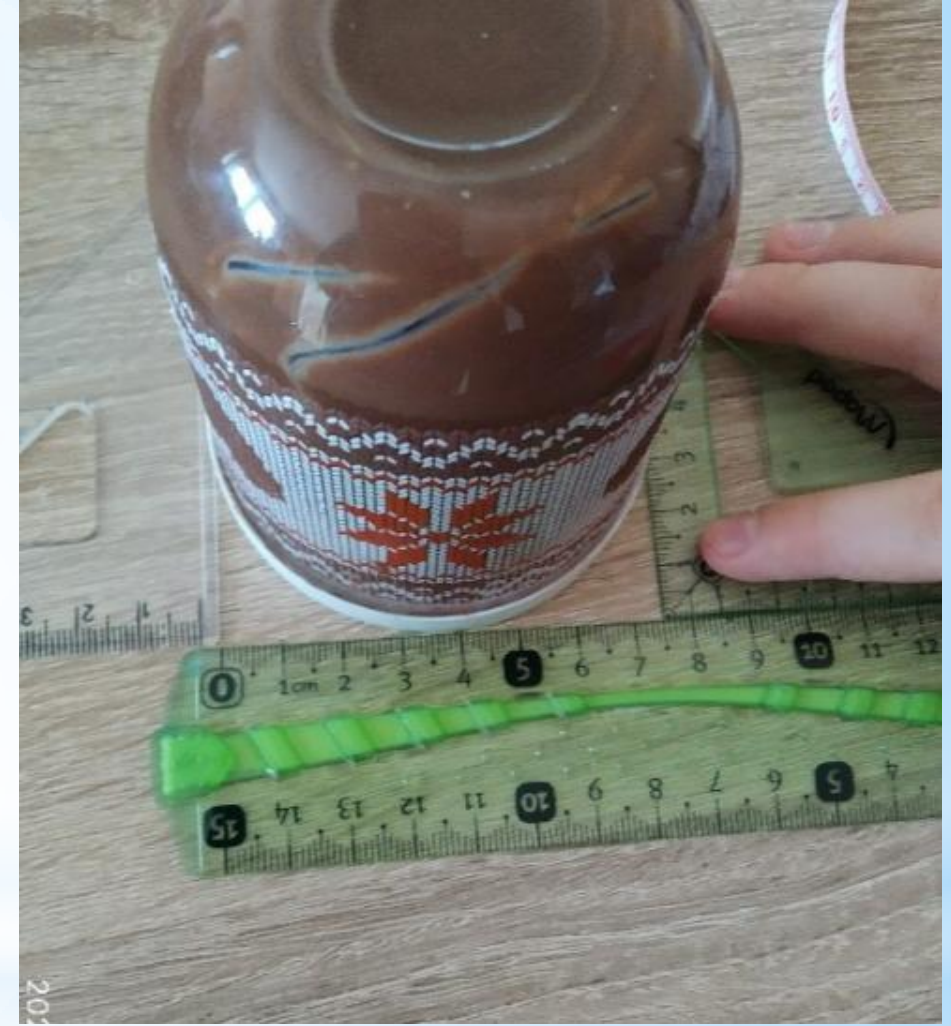


10 dni z liczbą PI



Atelier 2 for STEAM







by Kamil





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by Kamil



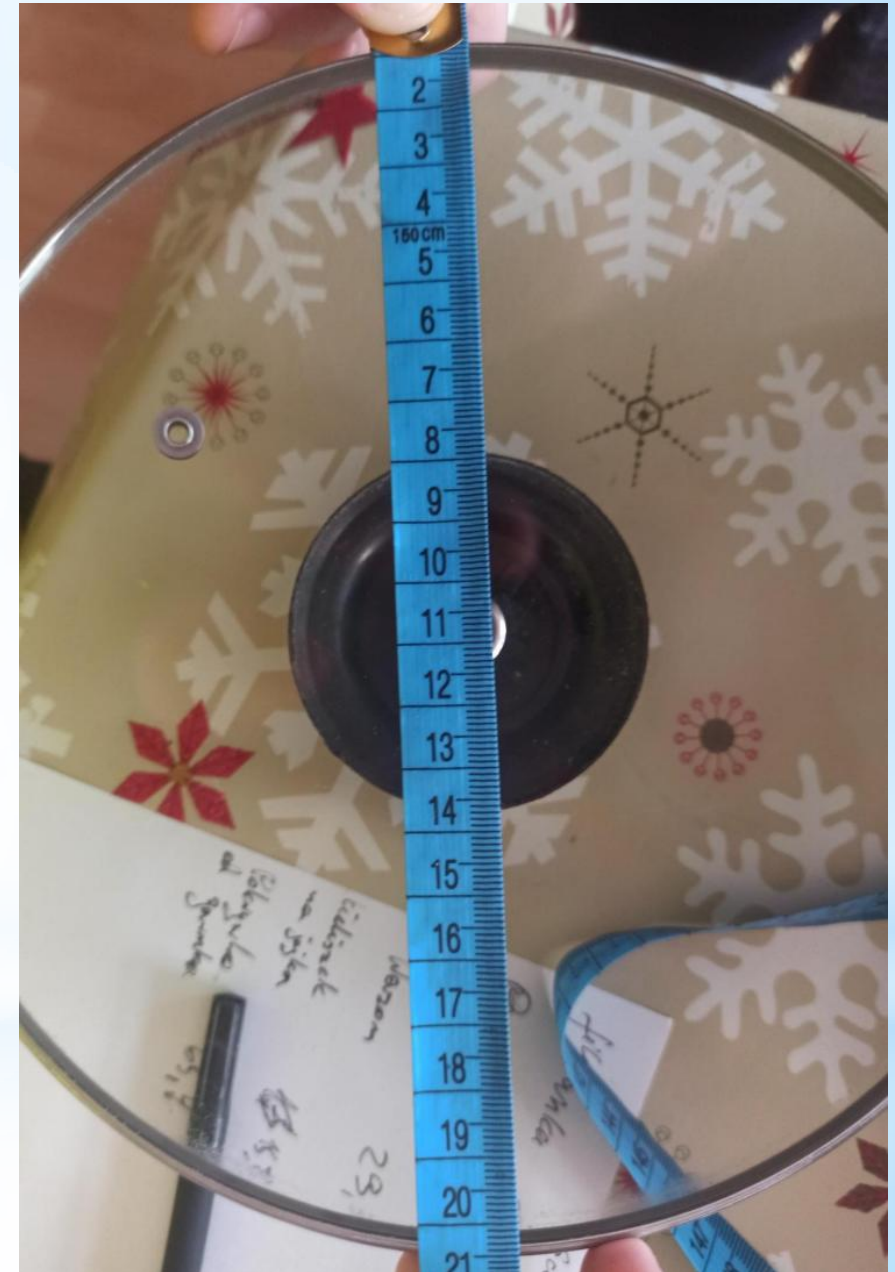


by Adam



by Marcin





by Marcin

PRZEDMIOT	OBWÓD	ŚREDNICA	ILORAZ
FILIZANKA	31 cm	11 cm	2,818
TALERZ	27 cm	25,5 cm	3,043
GARNEK	55 cm	18,5 cm	2,820
PUDEŁKO	20 cm	7,4 cm	2,702
TALERZYK	52 cm	17,7 cm	2,937
DONICZKA	58 cm	20,5 cm	2,829
MISECZKA	38,5 cm	12 cm	3,208

	Przedmiot	obwód	średnica	iloraz
1.	Pokrętko w piekarniku	10cm 7 mm	3cm 4mm	3,14
2.	świeca	28cm	8cm 9mm	3,14
3.	szklanka	26cm 6mm	8cm 4mm	3,16
4.	Słoiczek <u>nutelli</u>	24cm 2mm	7cm 5mm	3,22
5.	talerz	51cm 5mm	16cm 4mm	3,14

	Przedmiot	Obwód	Średnica	Iloraz
1	SPODEK	30,9CM	9,6CM	3,219
2	ŚWIECA	15,7CM	4,6CM	3,413
3	ZAGARUŚ	94,8CM	30CM	3,16
4	TUBUSIA	30,2CM	9,2CM	3,283
5	SZKLANECZKA	26,4CM	8,2CM	3,22

	PRZEDMIOT	OBWÓD	ŚREDNICA	ILORAZ
1	szklanka	25cm 5mm	8 cm	3.1875
2	klej	6cm 4mm	1cm 9mm	3.3684
3	Papier toaletowy	61cm	19cm 6mm	3.1122
4	Kierownica od symulatora jazdy	85cm 9mm	27 cm	3.3548
5	Rączka od motoru	10cm 4mm	3cm 1mm	3.1815

	PRZEDMIOT	OBWÓD	ŚREDNICA	ILORAZ
1	Puszka z kawą	25cm	7cm 7mm	3,2468
2	Salaterka	46cm 5mm	14cm 5mm	3,2069
3	Termos	23cm 9mm	7cm 1mm	3,3662
4	Puszka z mlekiem dla dzieci	41cm 5mm	13cm	3,1923
5	Podstawka na jajko	16 cm	4cm 7mm	3,4043

	PRZEDMIOT	OBWÓD	ŚREDNICA	ILORAZ
1	głośnik	24 cm	7 cm	3,4286
2	klosz od lampki	33 cm	14 cm	2.3571
3	Kierownica do grania	84 cm	26 cm	3.2308
4	Zabawka kotów	117 cm	38 cm	3.0789
5	Stoper do drzwi	25 cm	8 cm	3.125

	PRZEDMIOT	OBWÓD	ŚREDNICA	ILORAZ
1	Klej	8 cm	2,5 cm	3,2 cm
2	Taśma klejąca	26 cm	8 cm	3,25 cm
3	Pomadka	11,5 cm	3 cm	3,83 cm
4	Spray	21 cm	6 cm	3,5 cm
5	Pudełko	29 cm	9 cm	3,2 cm

	PRZEDMIOT	OBWÓD	ŚREDNICA	ILORAZ
1	Filizanka	24,5	7,5	3,266
2	Puszka po grochu	21	6,5	3,23
3	Wazon	29,3	9	3,255
4	Kieliszek na jajko	18,8	4,5	3,511
5	Pokrywka do garnka	65,4	21	3,128

 **Tables - summary of the results**

NO MATTER HOW BIG OR
SMALL THE CIRCLE GETS

$$\frac{\text{CIRCUMFERENCE}}{\text{diameter}} = \text{always the same}$$

3.14159 ... AND SO
LITERALLY ENDLESS

$$\frac{\text{CIRCUMFERENCE}}{\text{diameter}} = \pi$$

IT IS IRRATIONAL NUMBER

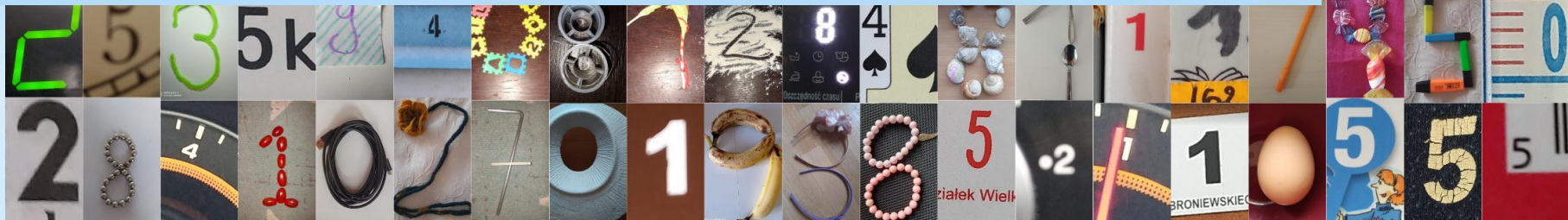
περίμετρον
- *perimētron*



Our works

Cool π

Approximation of π to **179** decimal places





BLANKA 4F ADAM 4F MARTYNA 4E KACPER 6D KRZYSZTOF 4E MAJA 4E HANNA 6D MILENA 6D IZABELA 6G MARIA 6D KRYSTIAN 6D KUBA 4F ALEKSANDER 4F JULIA 6D KAMIL 4F MICHAŁ 4E KLAUDIA 4F MATEUSZ 4F MARCIN 6D PANI KASIA



Find the same numbers in the photos.
Indicate the row and column number:
e.g. number 3 (1, A)

GAME *Cool π*

for sharp-eyed students