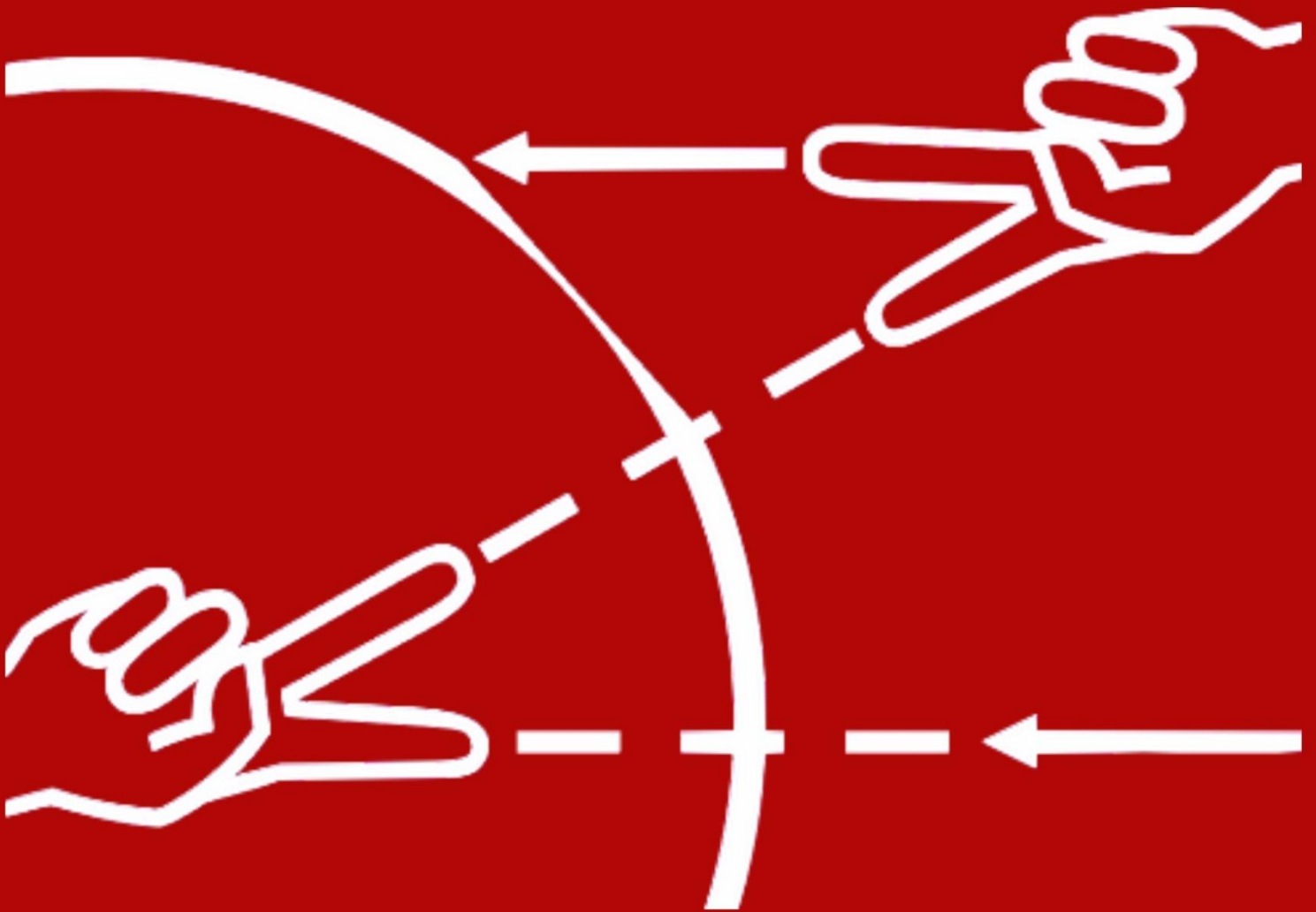


Eratoosthenes



May 2016

4^{Continents} 13^{Countries} 30^{Schools} 70^{Measures}

ARGENTINA (1)

Anisacate

BRAZIL (3)

Rio de Janeiro

CHINA (1)

Shenzhen

CROATIA (3)

Brštanovo, Donji Muć, Neoric

FRANCE (1)

Lafrançaise

GREECE (9)

Aigio, Athens-Attiki, Athens-Agion-Anargyron,
Chania, Ioannina, Pastida, Petroupoli, Piraeus, Pylos,

ITALY (2)

Merlara, Marina di Carrara

INDIA (3)

Hapur, Hyderabad, Yamunanagar

LATVIA (1)

Riga

MALAYSIA (1)

Kuantan

ROMANIA (1)

Busteni

SERBIA (1)

Pozega

TUNISIA (3)

Ben Arous, Mohammedia, Sfax

School	Best Partner	Circumference (km)	Date
Aigio	Anisacate	39924	31-May-2016
Anisacate	Busteni	40063	5-May-2016
Athens A	Nagar	39465	9-May-2016
Athens Attiki	Rio Afonsos	39024	8-May-2016
Ben Arous	Rio Afonsos	40355	8-May-2016
Brštanovo	Anisacate	39982	23-May-2016
Busteni	Anisacate	40063	5-May-2016
Chania	Rio Afonsos	34428	8-May-2016
Donji Muć	Pylos	40513	25-May-2016
Hapur	Busteni	45404	12-13-May-2016
Hyderabad	Athens	40664	9-May-2016
Ioannina	Anisacate	40101	30-May-2016
Kuantan	Athens Attiki	41912	8-May-2016
Lafrançaise	Petroupoli	39954	19-May-2016
Carrara	Anisacate	39352	3-4 May 2016
Merlara	Anisacate	40145	24-25 May 2016
Mohamedia	Merlara	35735	16-May-2016
Neorić	Anisacate	40317	30-May-2016
Pastida	Brštanovo	39308	17-18 May 2016
Petroupoli	Lafrançaise	39954	19-May-2016
Piraeus	Brštanovo	41302	10-May-2016
Požega	Anisacate	38746	06-07 May 2016
Pylos	Donji Muć	40513	25- May-2016
Riga	Anisacate	39847	24-25 May 2016
Rio Afonsos	Ben Arous	40355	8-May-2016
Rio Flamengo	Riga	43652	22-23 May 2016
Rio CENOM	Lafrançaise	40862	30-May-2016
Sfax	Janeiro	40608	14-15 May 2016
Shenzhen	Anisacate	39898	5-May-2016
Yamuna Nagar	Petroupoli	40523	9-May-2016

ASIA

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Shenzhen	China	荔園小學南校區	22.549	114.092
	Hapur	India	Shri Hari Har Nath Shastri Smark I.C.	28.730	77.776
	Hyderabad	India	Space Adhyaan	17.385	78.487
	Yamunanagar	India	C V Raman Science Club	30.117	77.250
	Kuantan	Malaysia	SMK St Thomas	3.817	103.333

Shenzhen, China

May 2016

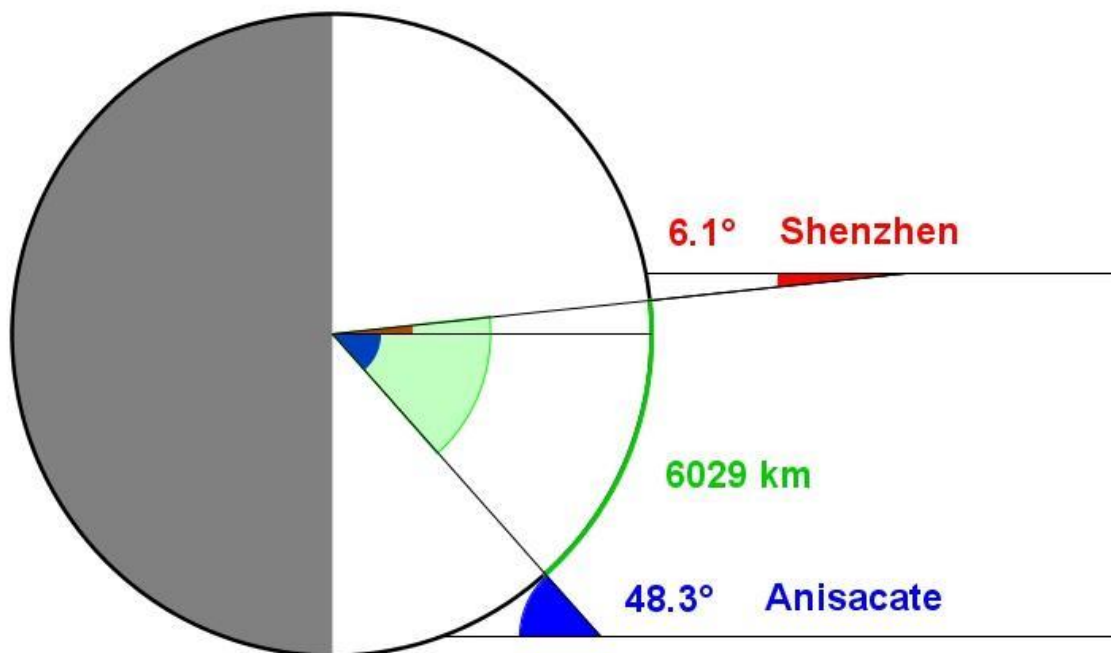


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Shenzhen	China	荔園小學南校區	22.549	114.092

Date	Gnomon	Shadow	Angle
05 May	50 cm	5.3 cm	6.1°

05 May 2016 (Shenzhen-CHINA) Latitude: 22.549

05 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 6029 \text{ km}}{6.1^\circ + 48.3^\circ} = 39898 \text{ km}$$



Kuantan, Malaysia

May 2016

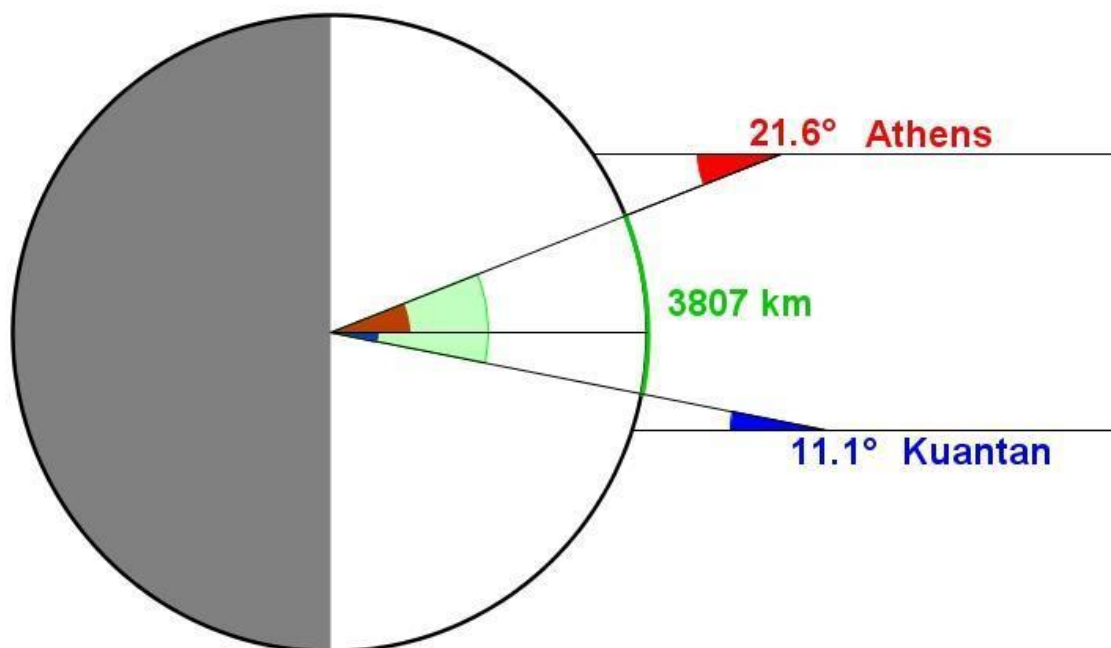


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Kuantan	Malaysia	SMK St Thomas	3.817	103.333

Date	Gnomon	Shadow	Angle
08 May	88 cm	-17.3 cm	-11.1°

08 May 2016 (Athens-GREECE) Latitude: 38.096

08 May 2016 (Kuantan-MALAYSIA) Latitude: 3.827



$$\text{circumference} = \frac{360^\circ \times 3807 \text{ km}}{21.6^\circ + 11.1^\circ} = 41912 \text{ km}$$



Hapur, India

May 2016

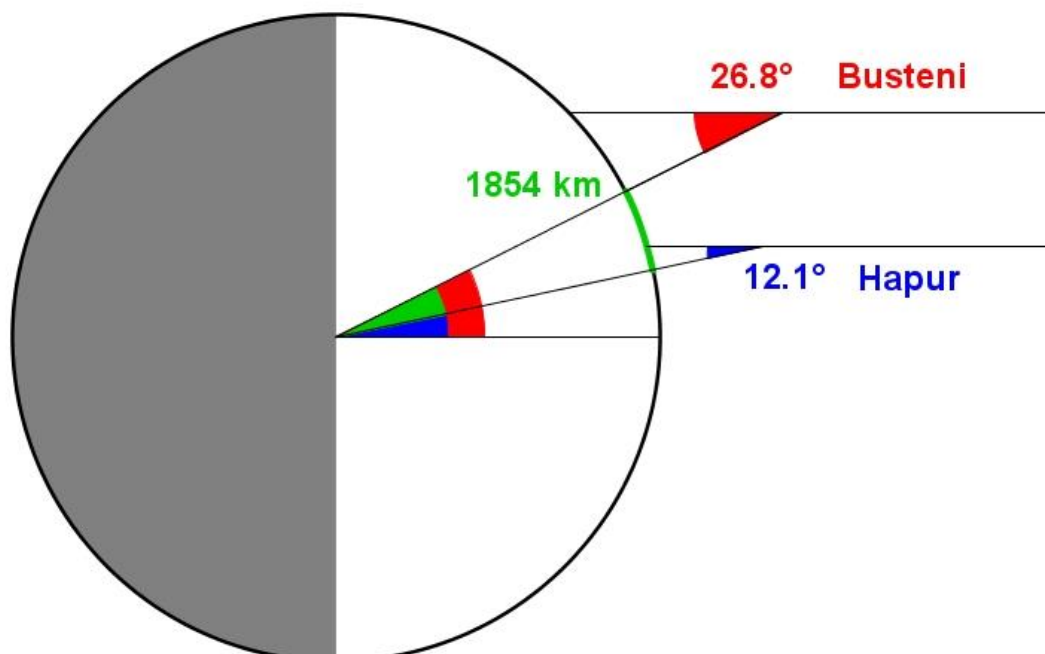


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Hapur	India	Shri Hari Har Nath Shastri Smarak I.C.	28.730	77.776

Date	Gnomon	Shadow	Angle
13 May	56 cm	12 cm	12.1°

12 May 2016 (Busteni-ROMANIA) Latitude 45.416

13 May 2016 (Hapur- IINDIA) Latitude 28.73



$$\text{circumference} = \frac{360^\circ \times 1854 \text{ km}}{26.8^\circ - 12.1^\circ} = 45404 \text{ km}$$



Hyderabad, India

May 2016

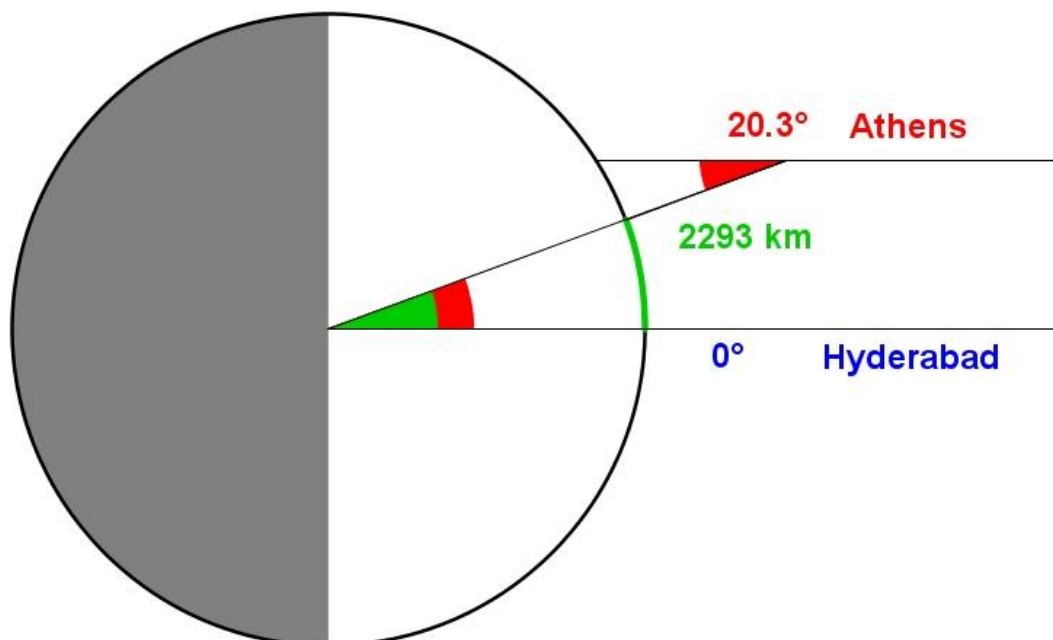


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Hyderabad	India	Space Adhyaan	17.385	78.487

Date	Gnomon	Shadow	Angle
09 May	100 cm	0 cm	0°

9 May 2016 (Athens- GREECE) Latitude 38.027

9 May 2016 (Hyderabad- INDIA) Latitude 17.385



$$\text{circumference} = \frac{360^\circ \times 2293 \text{ km}}{20.3^\circ - 0^\circ} = 40664 \text{ km}$$



Yamunanagar cv Raman, India

May 2016

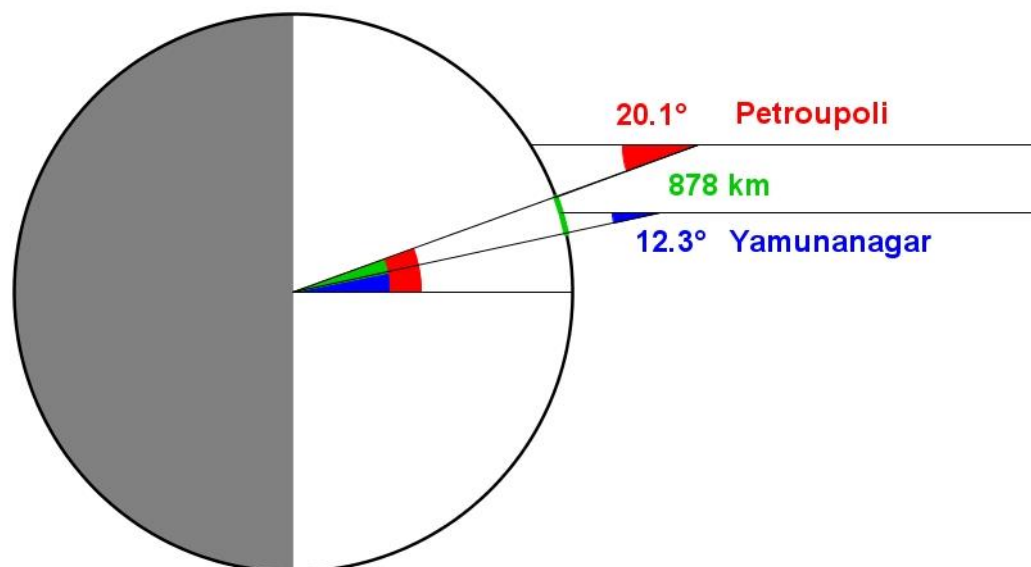


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Yamunanagar	India	C V Raman Science Club	30.117	77.250

Date	Gnomon	Shadow	Angle
09 May	28 cm	6.1 cm	12.3°

9 May 2016 (Petrupoli-GREECE) Latitude 38.036

9 May 2016 (Yamunanagar- INDIA) Latitude 30.133



$$\text{circumference} = \frac{360^\circ \times 878 \text{ km}}{20.1^\circ - 12.3^\circ} = 40523 \text{ km}$$



AMERICA

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Anisacate	Argentina	Fundación Caminos de Anisacate	-31.717	-64.400
	Rio de Janeiro	Brazil	Campos dos Afonsos	-22.881	-43.382
	Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317
	Rio de Janeiro	Brazil	Flamengo Park	-22.941	-43.174

Anisacate, Argentina

May 2016

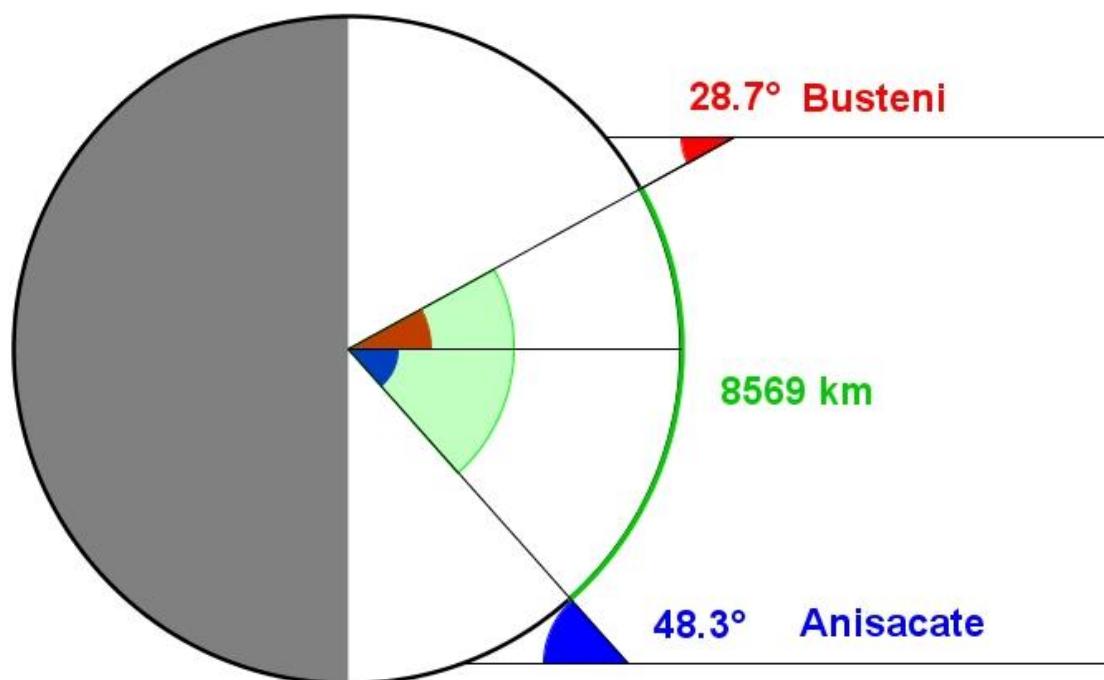


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Anisacate	Argentina	Fundación Caminos de Anisacate	-31.717	-64.400

Date	Gnomon	Shadow	Angle
04 May	100 cm	-112 cm	-48.2°
05 May	100 cm	-112.4 cm	-48.3°
07 May	100 cm	-115.2 cm	-49.0°
23 May	100 cm	-130 cm	-52.4°
24 May	100 cm	-132 cm	-52.9°
30 May	100 cm	-136 cm	-53.7°
31 May	100 cm	-136.5 cm	-53.8°

05 May 2016 (Busteni-ROMANIA) Latitude: 45.416

05 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8569 \text{ km}}{28.7^\circ + 48.3^\circ} = 40063 \text{ km}$$



Rio de Janeiro Afonsos, Brazil

May 2016

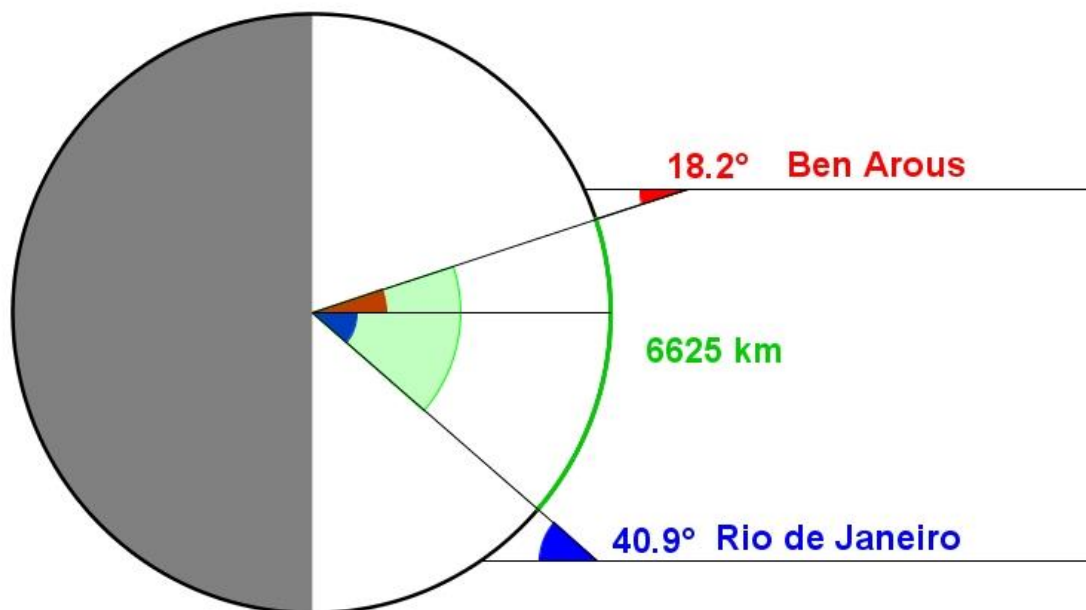


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Rio de Janeiro	Brazil	Campos dos Afonsos	-22.881	-43.382

Date	Gnomon	Shadow	Angle
08 May	18.5 cm	-16 cm	-40.9°
15 May	21 cm	-18 cm	-40.6°

08 May 2016 (Ben Arous-TUNISIA) Latitude: 36.75

08 May 2016 (Rio de Janeiro-Brazil) Latitude: -22.881



$$\text{circumference} = \frac{360^\circ \times 6625 \text{ km}}{18.2^\circ + 40.9^\circ} = 40355 \text{ km}$$



Rio de Janeiro CENOM, Brazil

May 2016

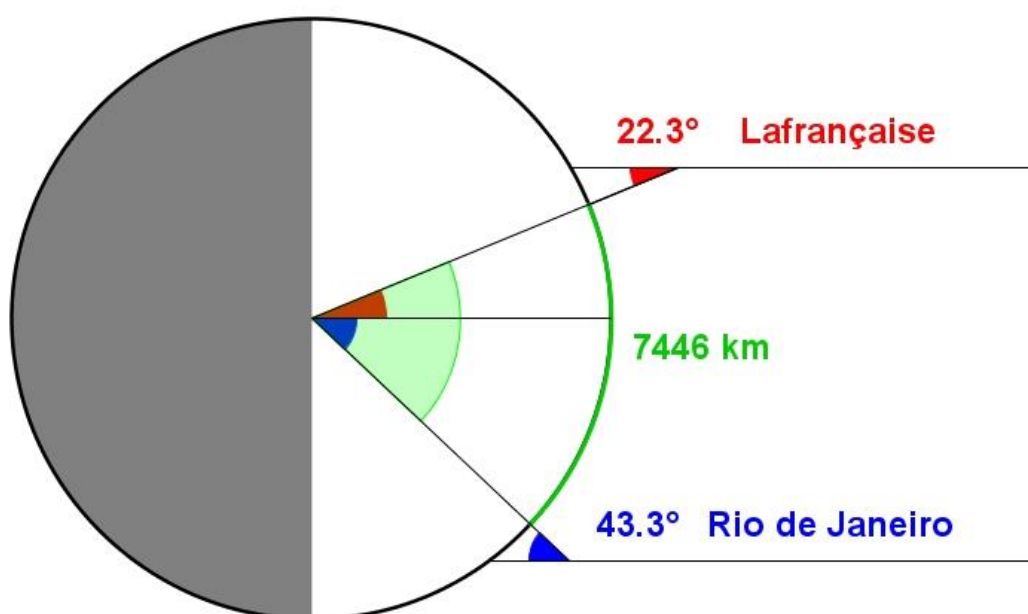


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317

Date	Gnomon	Shadow	Angle
30 May	89 cm	-84 cm	-43.3°

30 May 2016 (Lafrançaise-FRANCE) Latitude: 44.127

30 May 2016 (Rio de Janeiro-BRAZIL) Latitude: -22.89



$$\text{circumference} = \frac{360^\circ \times 7446 \text{ km}}{22.3^\circ + 43.3^\circ} = 40862 \text{ km}$$



Rio de Janeiro Flamengo, Brazil

May 2016

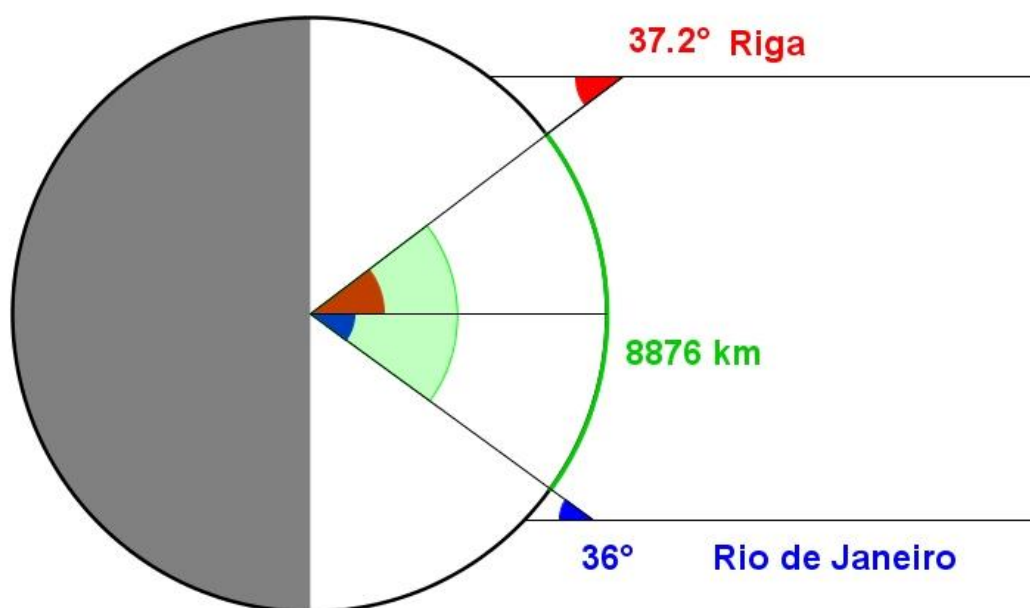


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Rio de Janeiro	Brazil	Flamengo Park	-22.941	-43.174

Date	Gnomon	Shadow	Angle
22 May	22 cm	-16 cm	-36.0°

23 May 2016 (Riga-LATVIA) Latitude: 56.953

22 May 2016 (Rio de Janeiro-BRAZIL) Latitude: -22.941



$$\text{circumference} = \frac{360^\circ \times 8876 \text{ km}}{37.2^\circ + 36^\circ} = 43652 \text{ km}$$



AFRICA

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Ben Arous	Tunisia	College Ben Arous	36.750	10.222
	Mohammedia	Tunisia	Lycée M'hamdia	36.678	10.152
	Sfax	Tunisia	école de Sakiét Eddayer	34.789	10.780

Ben Arous, Tunisia

May 2016

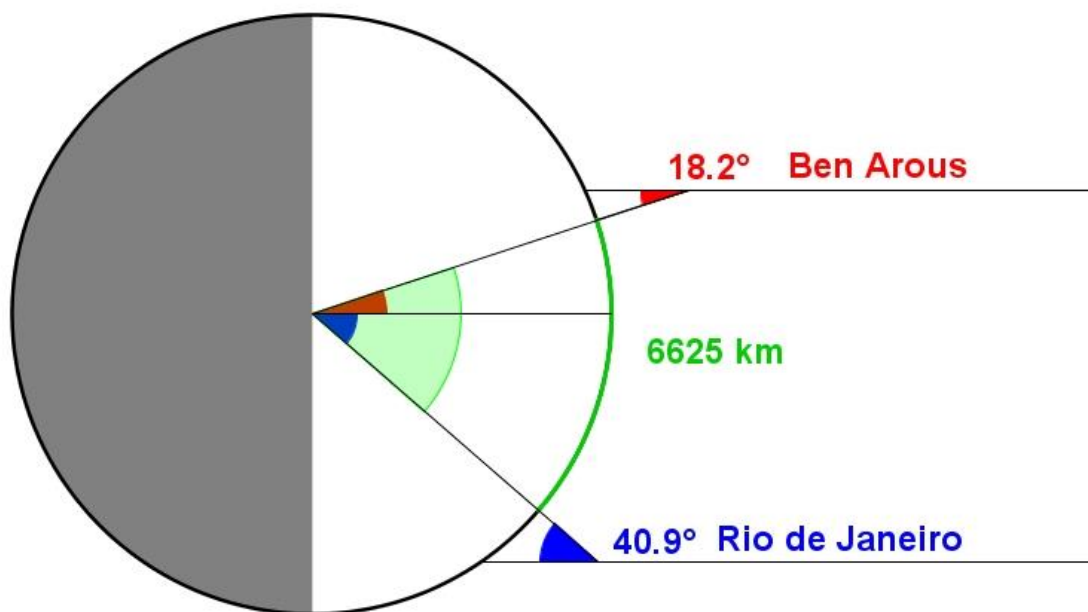


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Ben Arous	Tunisia	College Ben Arous	36.750	10.222

Date	Gnomon	Shadow	Angle
08 May	70 cm	23 cm	18.2°

08 May 2016 (Ben Arous-TUNISIA) Latitude: 36.75

08 May 2016 (Rio de Janeiro-Brazil) Latitude: -22.881



$$\text{circumference} = \frac{360^\circ \times 6625 \text{ km}}{18.2^\circ + 40.9^\circ} = 40355 \text{ km}$$



Mohammedia, Tunisia

May 2016

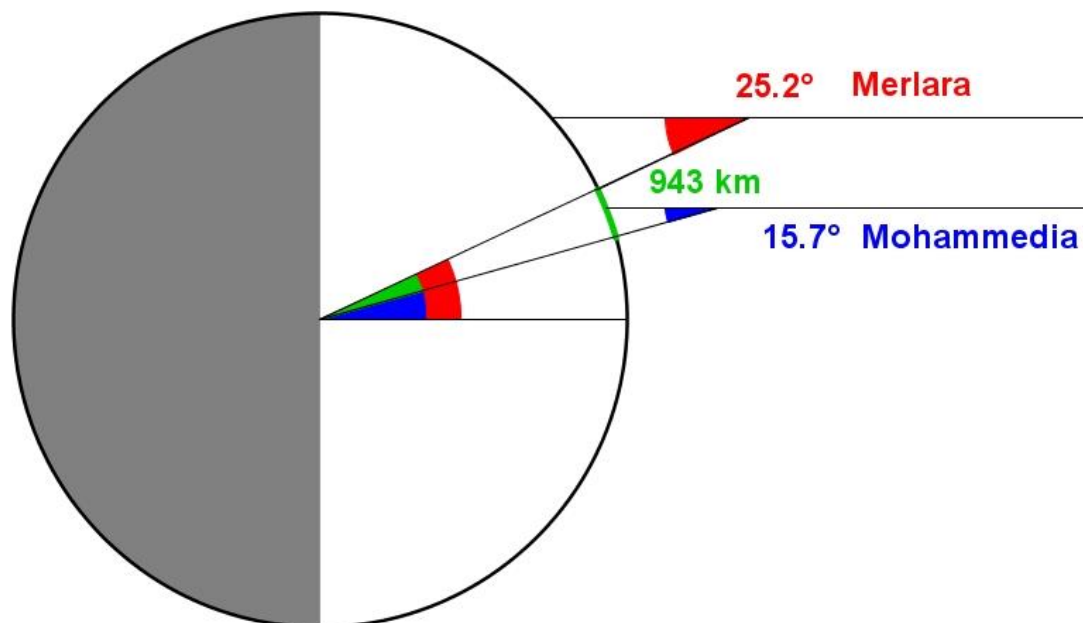


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Mohammedia	Tunisia	Lycée M'hamdia	36.678	10.152

Date	Gnomon	Shadow	Angle
16 May	82 cm	23 cm	15.7°

16 May 2016 (Merlara-ITALY) Latitude 45.163

16 May 2016 (Mohammedia - TUNISIA) Latitude 36.678



$$\text{circumference} = \frac{360^\circ \times 943 \text{ km}}{25.2^\circ - 15.7^\circ} = 35735 \text{ km}$$



Sfax, Tunisia

May 2016

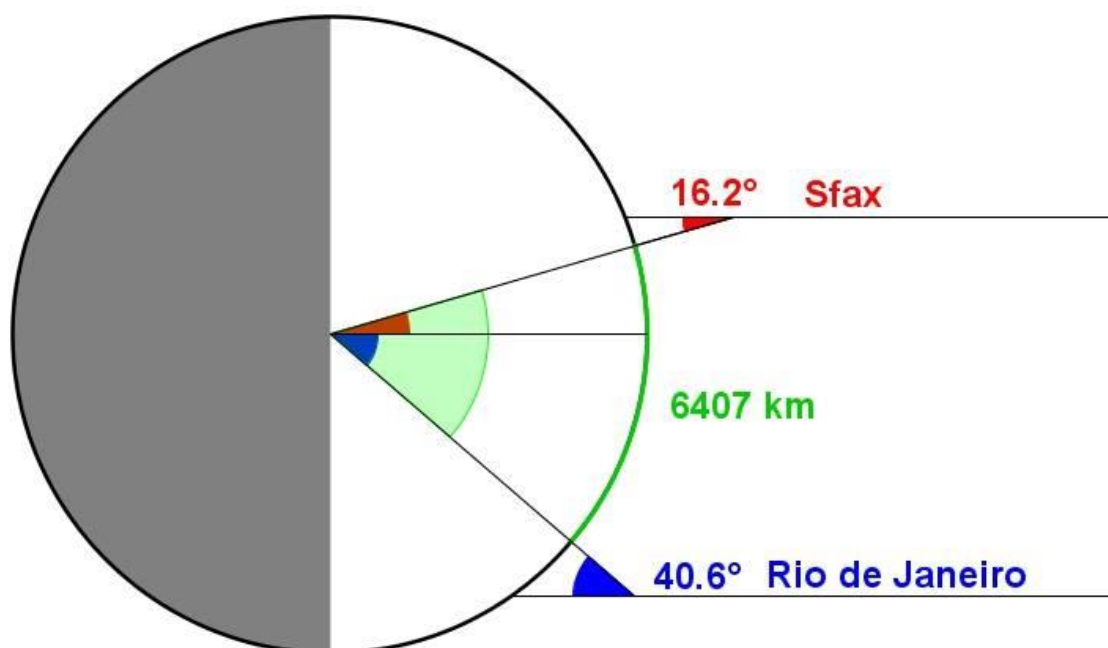


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Sfax	Tunisia	école de Sakiét Eddayer	34.789	10.780

Date	Gnomon	Shadow	Angle
08 May	100 cm	32 cm	17.7°
14 May	100 cm	29 cm	16.2°

14 May 2016 (Sfax-TUNISIA) Latitude: 34.789

15 May 2016 (Rio de Janeiro-BRAZIL) Latitude: -22.881



$$\text{circumference} = \frac{360^\circ \times 6407 \text{ km}}{16.2^\circ + 40.6^\circ} = 40608 \text{ km}$$



EUROPE

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Brštanovo	Croatia	Osnovna škola kneza Branimira	43.658	16.415
	Donji Muć	Croatia	oš kneza Branimira	43.694	16.462
	Neoric	Croatia	OŠ Neorić - Sutina	43.686	16.520
	Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237
	Aigio	Greece	1st High School of Aigio	38.252	22.079
	Athens	Greece	1st system of sea scouts Dionysos Attiki	38.096	23.893
	Athens	Greece	Experimental College Agion Anargyron	38.027	23.726
	Chania	Greece	Primary School DDMN	35.485	24.082
	Ioannina	Greece	Experimental College	39.666	20.845
	Pastida	Greece	Primary School of Pastida	36.385	28.138
	Petroupoli	Greece	4o Junior High School	38.036	23.674
	Piraeus	Greece	2nd Junior High School of Korydallos	37.977	23.655
	Pylos	Greece	1st Kindergarten of Pylos	36.911	21.694
	Marina di Carrara	Italy	M Buonarroti primary school	44.045	10.031
	Merlara	Italy	Lower Secondary School "Dante Alighieri"	45.163	11.446
	Riga	Latvia	Riga State Technical School	56.953	24.104
	Busteni	Romania	Colegiul Ion Kalinderu	45.416	25.535
	Pozega	Serbia	Primary school Petar Lekovic	43.850	20.039

Aigio, Greece

May 2016

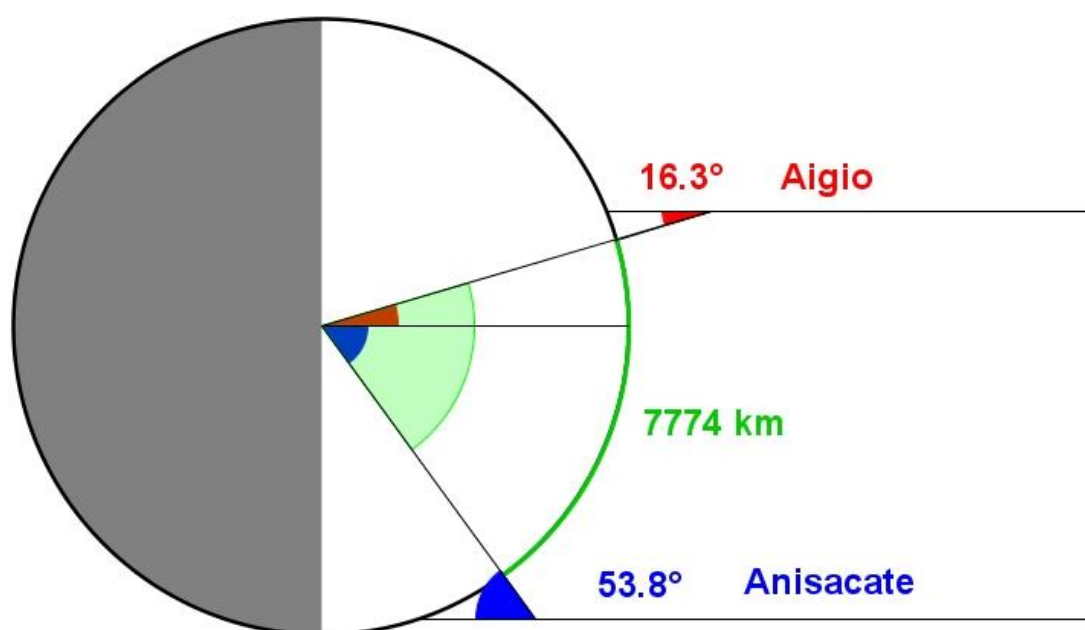


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Aigio	Greece	1st High School of Aigio	38.252	22.079

Date	Gnomon	Shadow	Angle
31 May	50.0 cm	14.6 cm	16.3°

31 May 2016 (Aigio-GREECE) Latitude: 38.252

31 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 7774 \text{ km}}{16.3^\circ + 53.8^\circ} = 39924 \text{ km}$$



Athens Attiki, Greece

May 2016

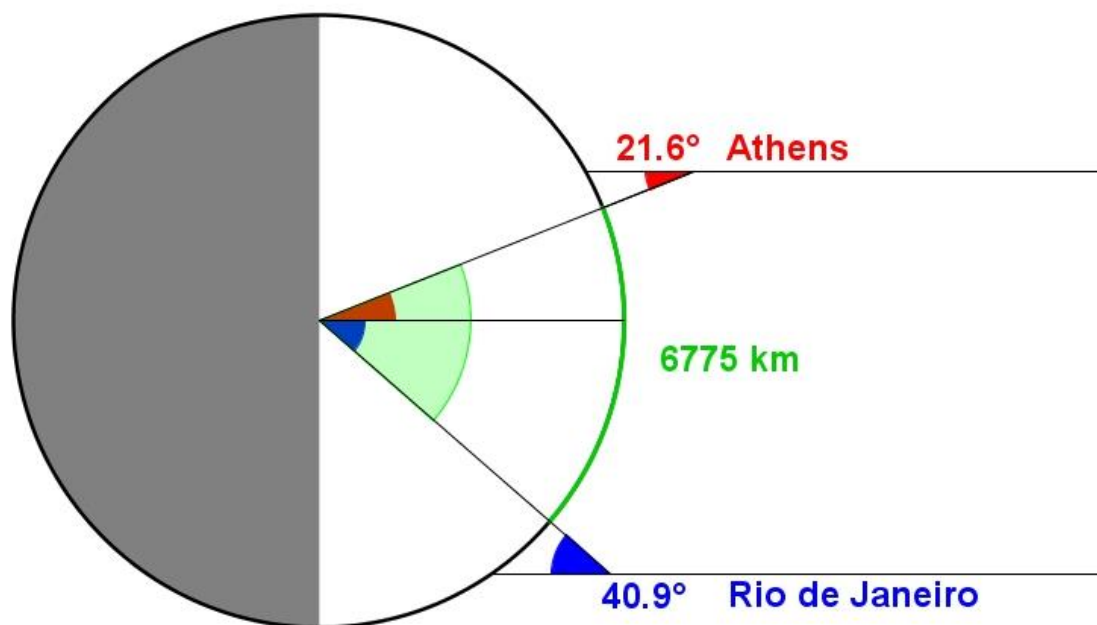


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Athens	Greece	1st system of sea scouts Dionyssos Attiki	38.096	23.893

Date	Gnomon	Shadow	Angle
08 May	134 cm	53 cm	21.6°

08 May 2016 (Athens-GREECE) Latitude: 38.096

08 May 2016 (Rio de Janeiro-Brazil) Latitude: -22.881



$$\text{circumference} = \frac{360^\circ \times 6775 \text{ km}}{21.6^\circ + 40.9^\circ} = 39024 \text{ km}$$



Athens-A, Greece

May 2016

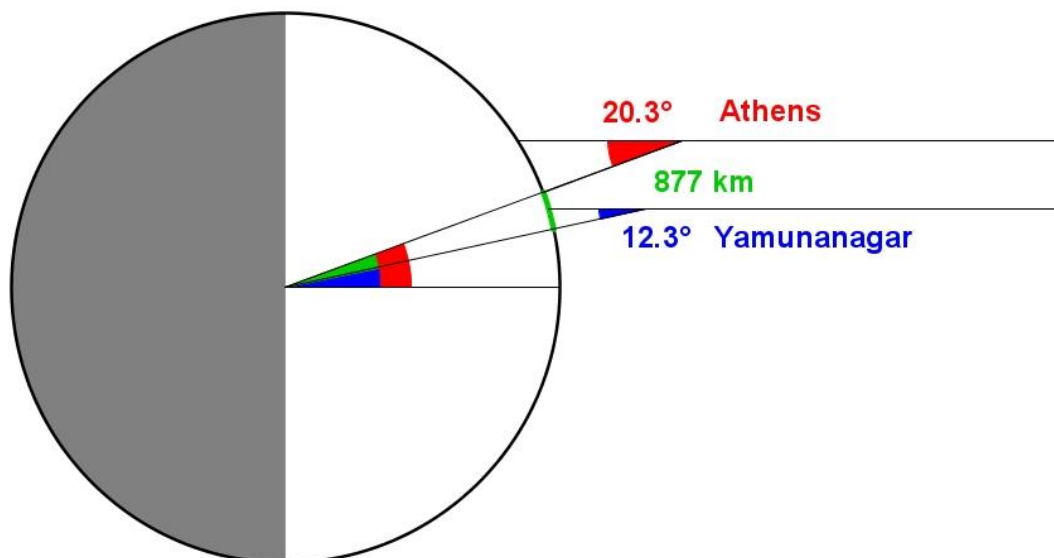


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Athens	Greece	Experimental College Agion Anargyron	38.027	23.726

Date	Gnomon	Shadow	Angle
09 May	49 cm	18.1 cm	20.3°

9 May 2016 (Athens-GREECE) Latitude 38.027

9 May 2016 (Yamunanagar- INDIA) Latitude 30.133



$$\text{circumference} = \frac{360^\circ \times 877 \text{ km}}{20.3^\circ - 12.3^\circ} = 39465 \text{ km}$$



Brštanovo, Croatia

May 2016

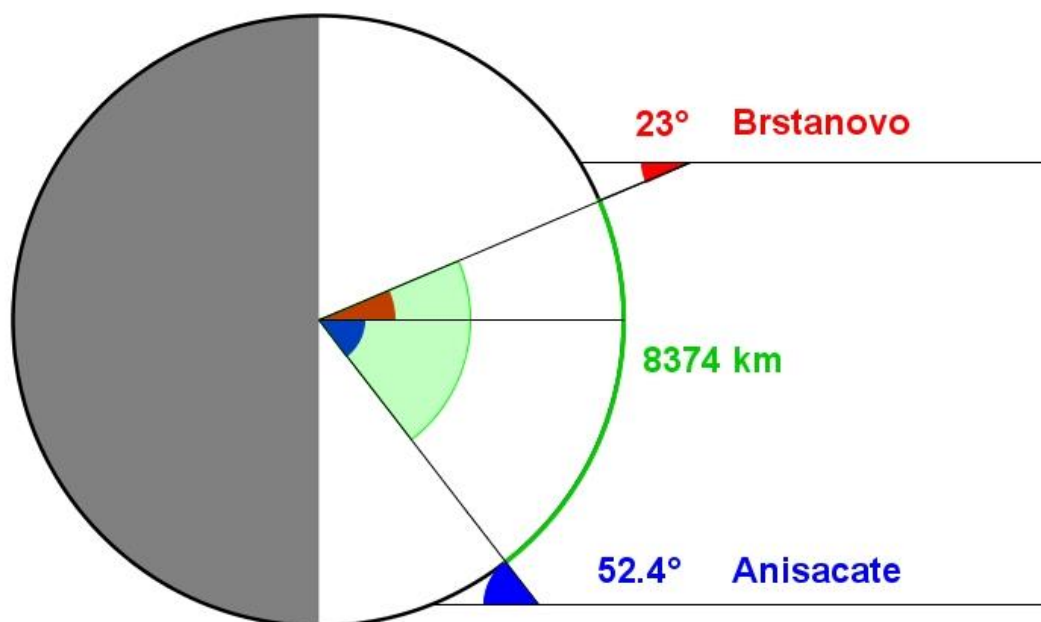


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Brštanovo	Croatia	Osnovna škola kneza Branimira	43.658	16.415

Date	Gnomon	Shadow	Angle
10 May	100 cm	48.3 cm	25.8°
17 May	100 cm	45.5 cm	24.5°
23 May	100 cm	42.5 cm	23°
25 May	100 cm	40.5 cm	22°
31 May	100 cm	39 cm	21.3°

23 May 2016 (Brstanovo-CROATIA) Latitude: 43.658

23 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8374 \text{ km}}{23^\circ + 52.4^\circ} = 39982 \text{ km}$$



Busteni, Romania

May 2016

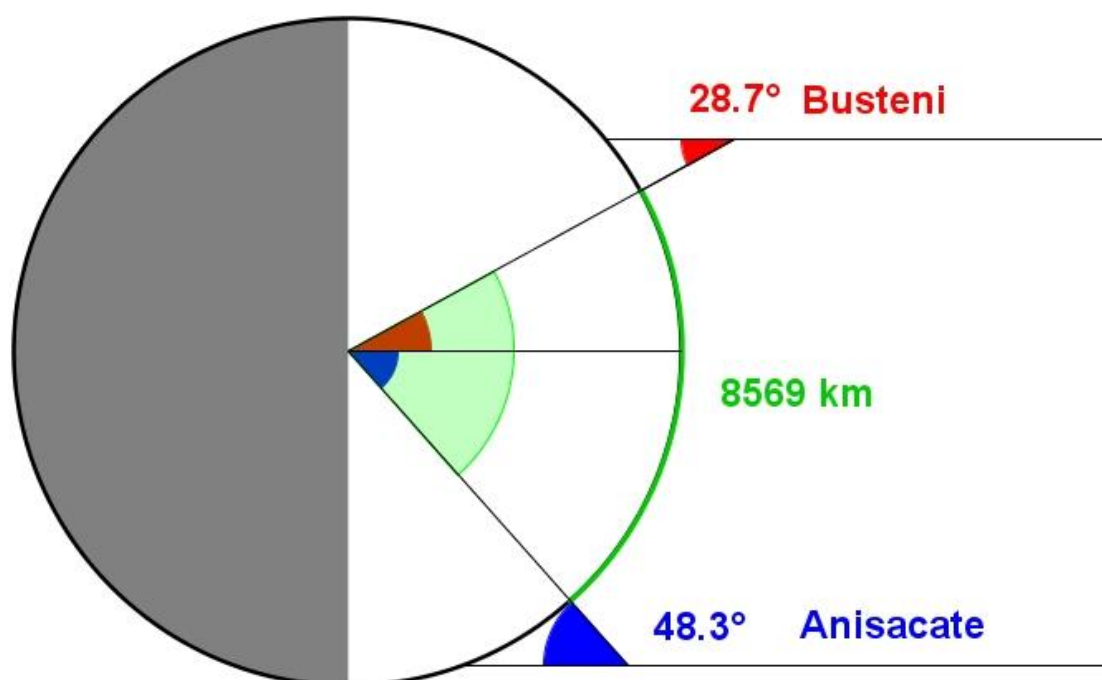


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Busteni	Romania	Colegiul Ion Kalinderu	45.416	25.535

Date	Gnomon	Shadow	Angle
05 May	53 cm	29 cm	28.7°
12 May	100 cm	50.6 cm	26.8°
19 May	85 cm	40 cm	25.2°
27 May	11 cm	4.9 cm	23.8°
31 May	30.3 cm	13 cm	23.2°

05 May 2016 (Busteni-ROMANIA) Latitude: 45.416

05 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8569 \text{ km}}{28.7^\circ + 48.3^\circ} = 40063 \text{ km}$$



Chania, Greece

May 2016

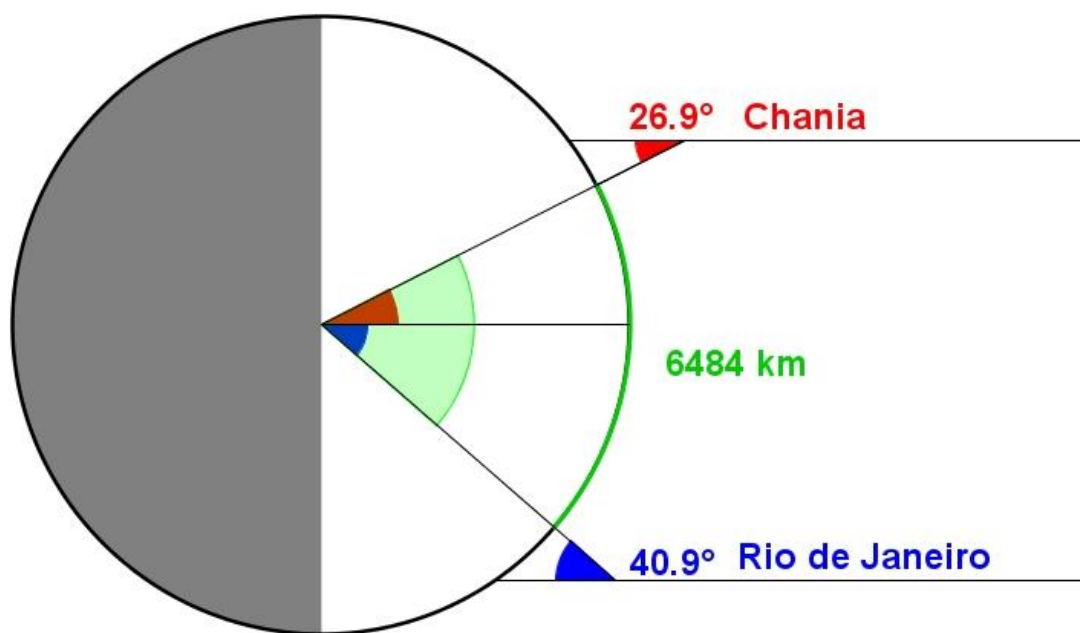


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Chania	Greece	Primary School DDMN	35.485	24.082

Date	Gnomon	Shadow	Angle
08 May	63 cm	32 cm	26.9°

08 May 2016 (Chania-GREECE) Latitude: 35.485

08 May 2016 (Rio de Janeiro-Brazil) Latitude: -22.881



$$\text{circumference} = \frac{360^\circ \times 6484 \text{ km}}{26.9^\circ + 40.9^\circ} = 34428 \text{ km}$$



Donji Muć, Croatia

May 2016

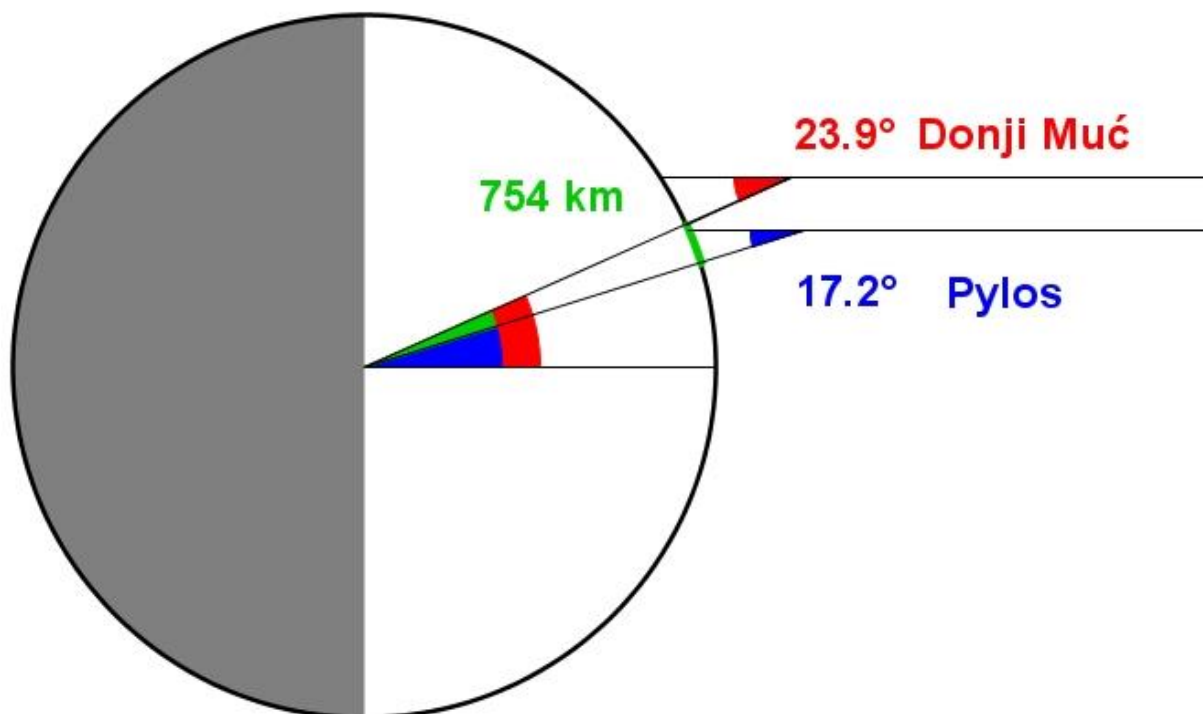


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Donji Muć	Croatia	oš kneza Branimira	43.694	16.462

Date	Gnomon	Shadow	Angle
05 May	100 cm	55.1 cm	28.9°
09 May	100 cm	50.8 cm	26.9°
17 May	100 cm	47.5 cm	25.4°
18 May	100 cm	46 cm	24.7°
25 May	100 cm	44.3 cm	23.9°

25 May 2016 (Donji Muć-CROATIA) Latitude: 43.694°

25 May 2016 (Pylos-GREECE) Latitude: 36.911°



$$\text{circumference} = \frac{360^\circ \times 754 \text{ km}}{23.9^\circ - 17.2^\circ} = 40513 \text{ km}$$



Ioannina, Greece

May 2016

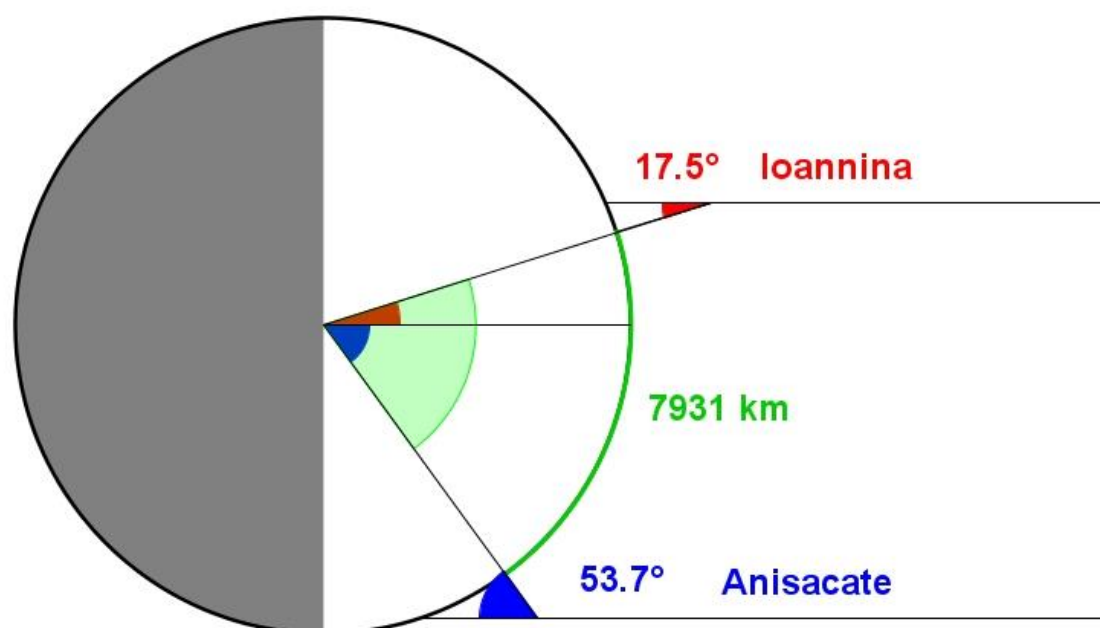


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Ioannina	Greece	Experimental College	39.666	20.845

Date	Gnomon	Shadow	Angle
10 May	100 cm	39.3 cm	21.5°
30 May	100 cm	31.5 cm	17.5°

30 May 2016 (Ioannina-GREECE) Latitude: 39.667

30 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 7931 \text{ km}}{17.5^\circ + 53.7^\circ} = 40101 \text{ km}$$



Lafrançaise, France

May 2016

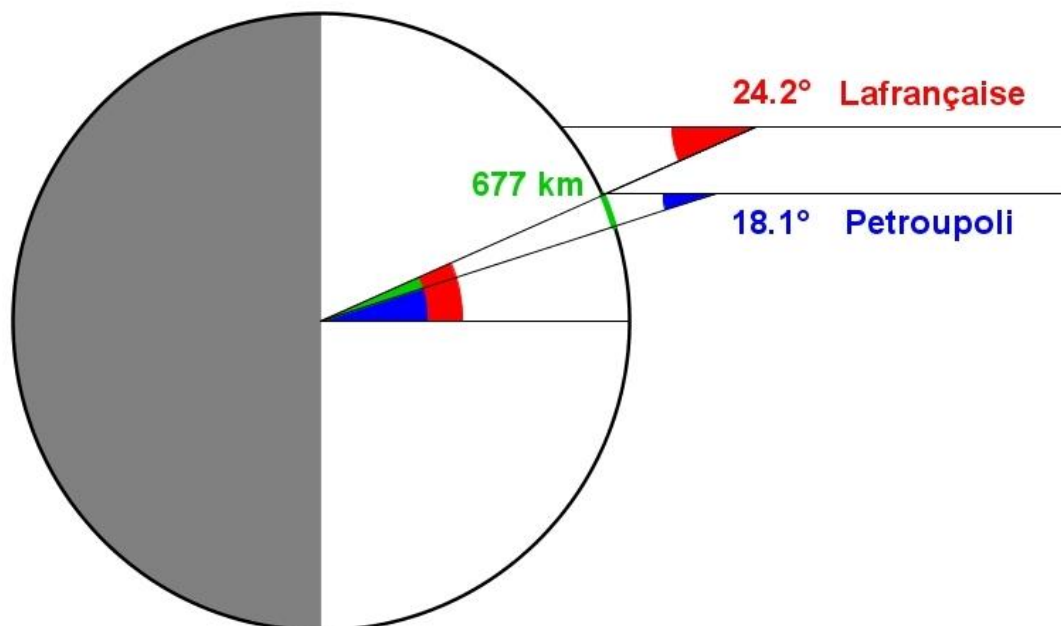


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237

Date	Gnomon	Shadow	Angle
12 May	100 cm	48 cm	25.6°
17 May	100 cm	45.5 cm	24.5°
19 May	100 cm	44.9 cm	24.2°
23 May	100 cm	43 cm	23.3°
26 May	100 cm	42 cm	22.8°
30 May	100 cm	41 cm	21.8°

19 May 2016 (Lafrançaise-FRANCE) Latitude 44.127

19 May 2016 (Petrroupoli- GREECE) Latitude 38.036



$$\text{circumference} = \frac{360^\circ \times 677 \text{ km}}{24.2^\circ - 18.1^\circ} = 39954 \text{ km}$$



Marina di Carrara, Italy

May 2016

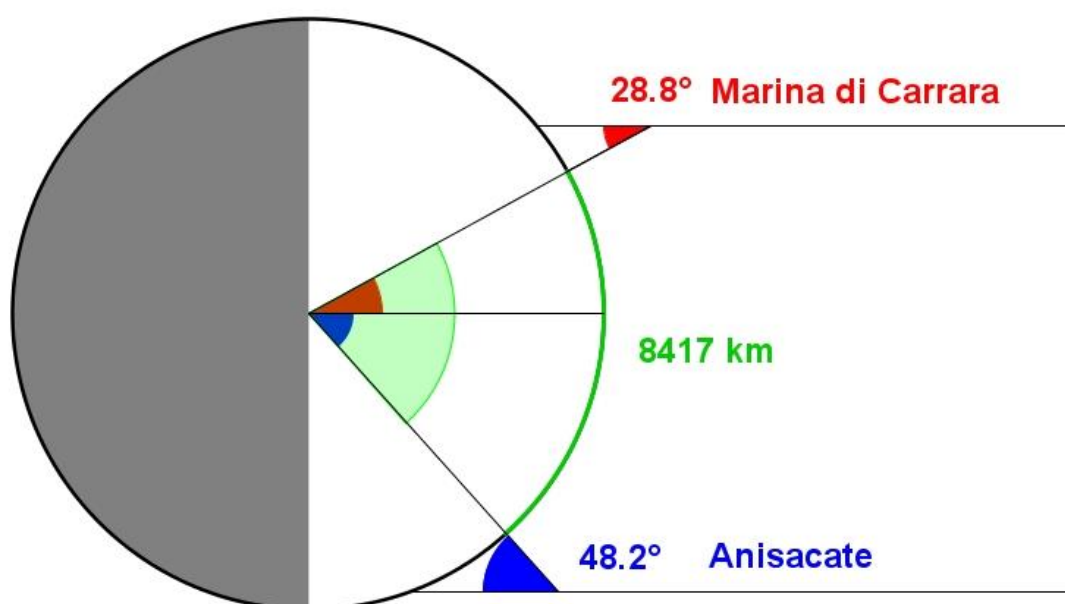


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Marina di Carrara	Italy	M Buonarroti primary school	44.045	10.031

Date	Gnomon	Shadow	Angle
03 May	10 cm	5.5 cm	28.8°
17 May	10 cm	4.5 cm	24.2°

03 May 2016 (Marina di Carrara-ITALY) Latitude: 44.045

04 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8417 \text{ km}}{28.8^\circ + 48.2^\circ} = 39352 \text{ km}$$



Merlara, Italy

May 2016

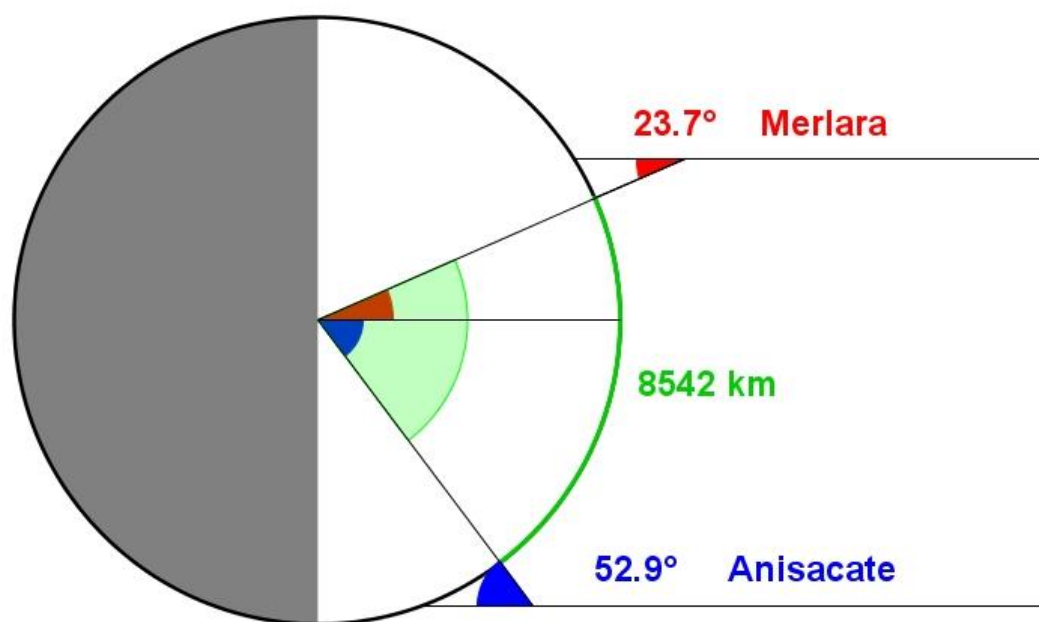


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Merlara	Italy	Lower Secondary School "Dante Alighieri"	45.163	11.446

Date	Gnomon	Shadow	Angle
16 May	100 cm	47 cm	25.2°
25 May	100 cm	44 cm	23.7°
30 May	100 cm	40 cm	21.8°

25 May 2016 (Merlara-ITALY) Latitude: 45.167

24 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8542 \text{ km}}{23.7^\circ + 52.9^\circ} = 40145 \text{ km}$$



Neoric, Croatia

May 2016

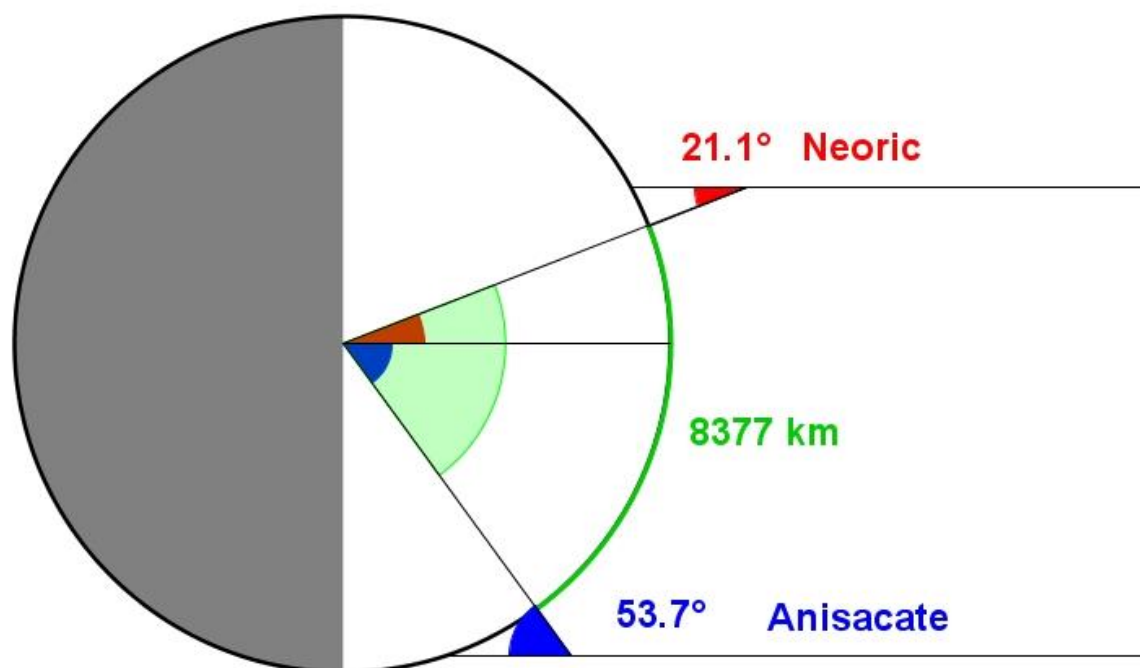


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Neoric	Croatia	OŠ Neorić - Sutina	43.686	16.520

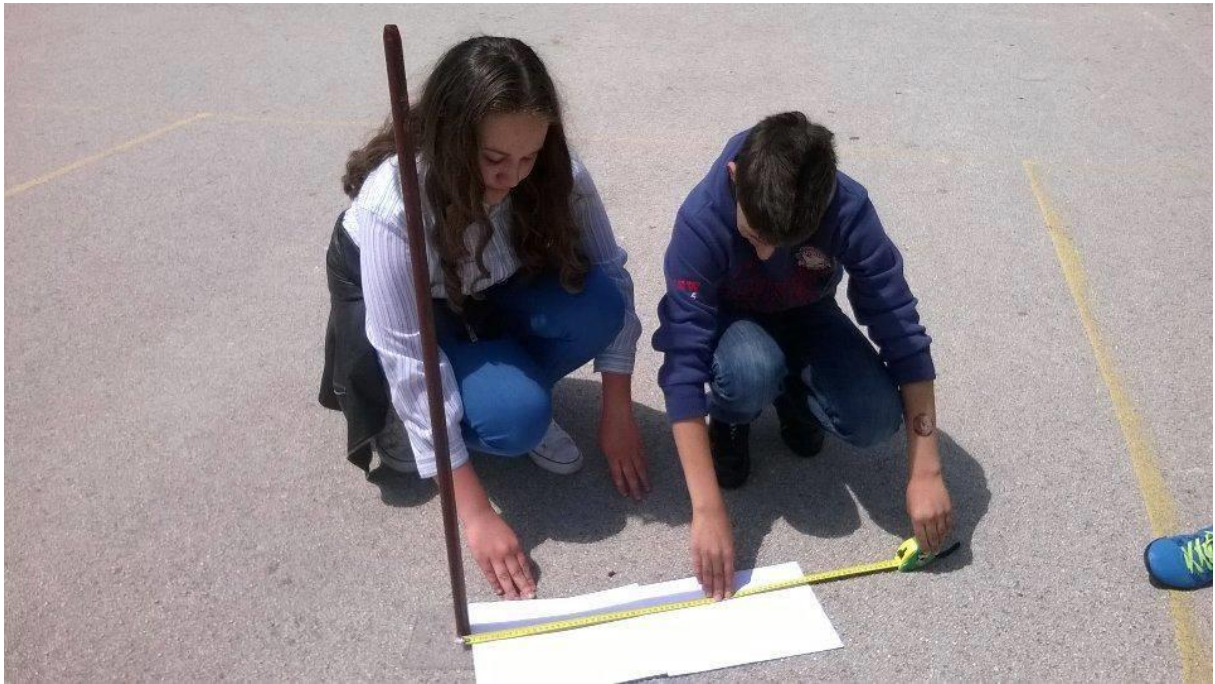
Date	Gnomon	Shadow	Angle
09 May	100 cm	47 cm	25.2°
17 May	100 cm	47 cm	25.2°
25 May	100 cm	40.3 cm	21.9°
30 May	100 cm	38.5 cm	21.1°

30 May 2016 (Neoric-CROATIA) Latitude: 43.686

30 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8377 \text{ km}}{21.1^\circ + 53.7^\circ} = 40317 \text{ km}$$



Pastida, Greece

May 2016

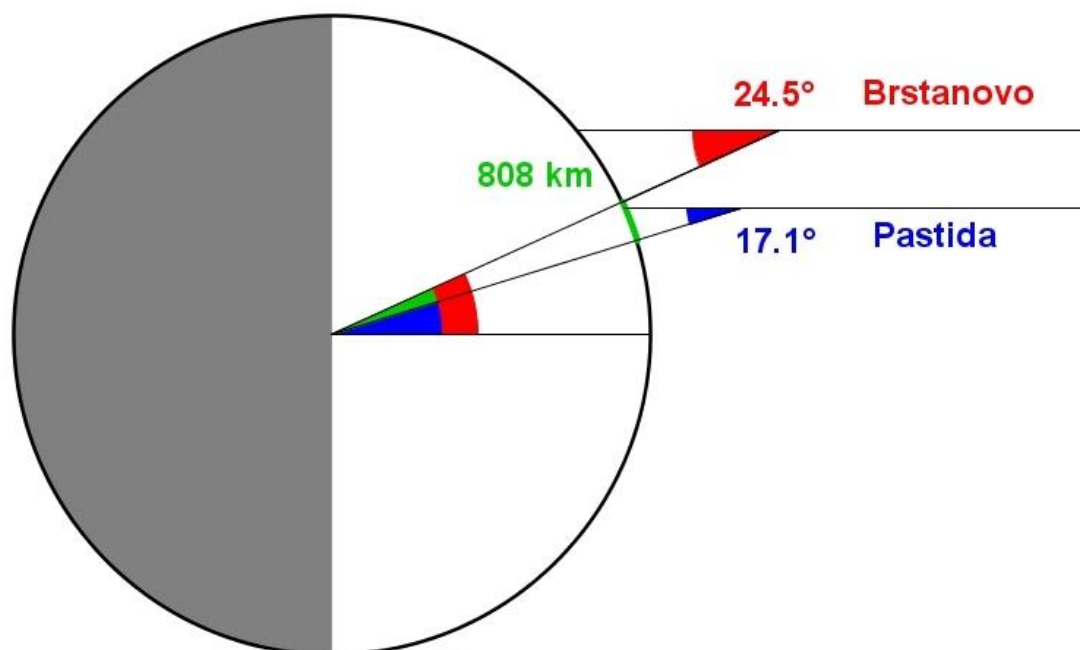


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Pastida	Greece	Primary School of Pastida	36.385	28.138

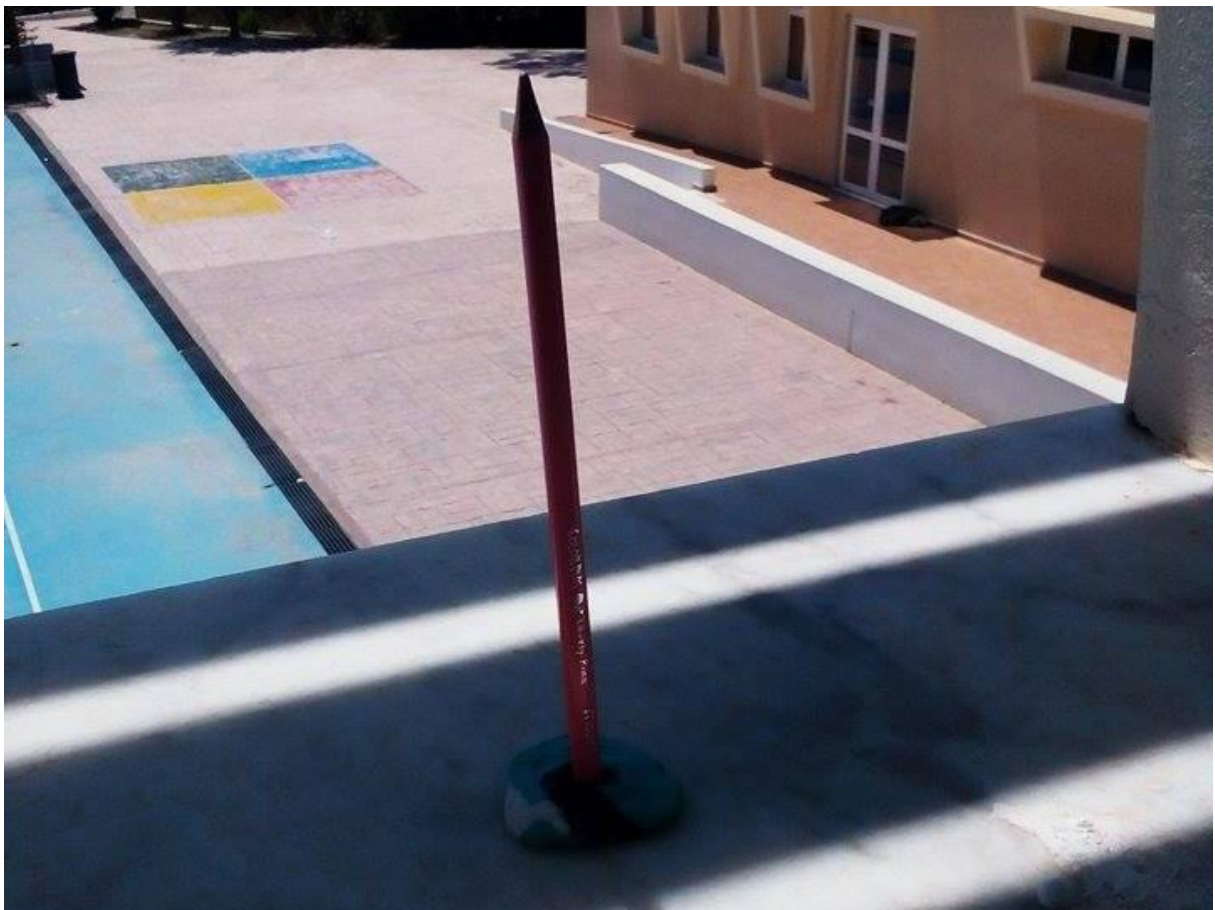
Date	Gnomon	Shadow	Angle
18 May	19.2 cm	5.9 cm	17.1°

17 May 2016 (Brstanovo-CROATIA) Latitude 43.658

18 May 2016 (Pastida- GREECE) Latitude 36.385



$$\text{circumference} = \frac{360^\circ \times 808 \text{ km}}{24.5^\circ - 17.1^\circ} = 39308 \text{ km}$$



Petroupoli, Greece

May 2016

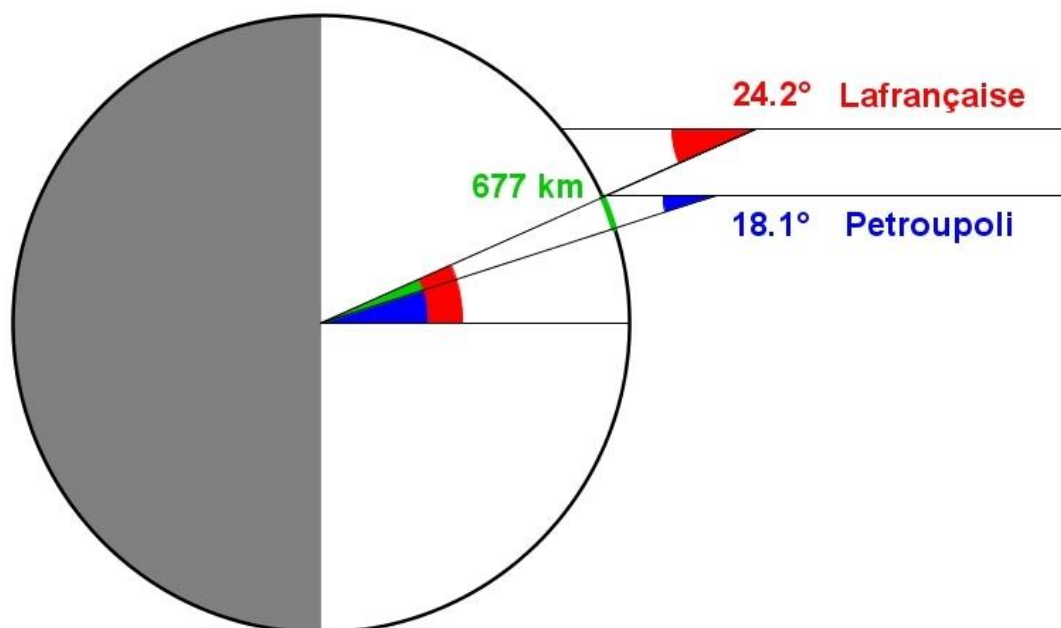


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Petroupoli	Greece	4o Junior High School	38.036	23.674

Date	Gnomon	Shadow	Angle
08 May	100 cm	37.8 cm	20.7°
09 May	100 cm	36.6 cm	20.1°
10 May	100 cm	36 cm	19.8°
19 May	52.3 cm	17.1 cm	18.1°
23 May	52.3 cm	16.5 cm	17.5°
25 May	100 cm	30.5 cm	17°

19 May 2016 (Lafrançaise-FRANCE) Latitude 44.127

19 May 2016 (Petroupoli- GREECE) Latitude 38.036



$$\text{circumference} = \frac{360^\circ \times 677 \text{ km}}{24.2^\circ - 18.1^\circ} = 39954 \text{ km}$$



Piraeus, Greece

May 2016

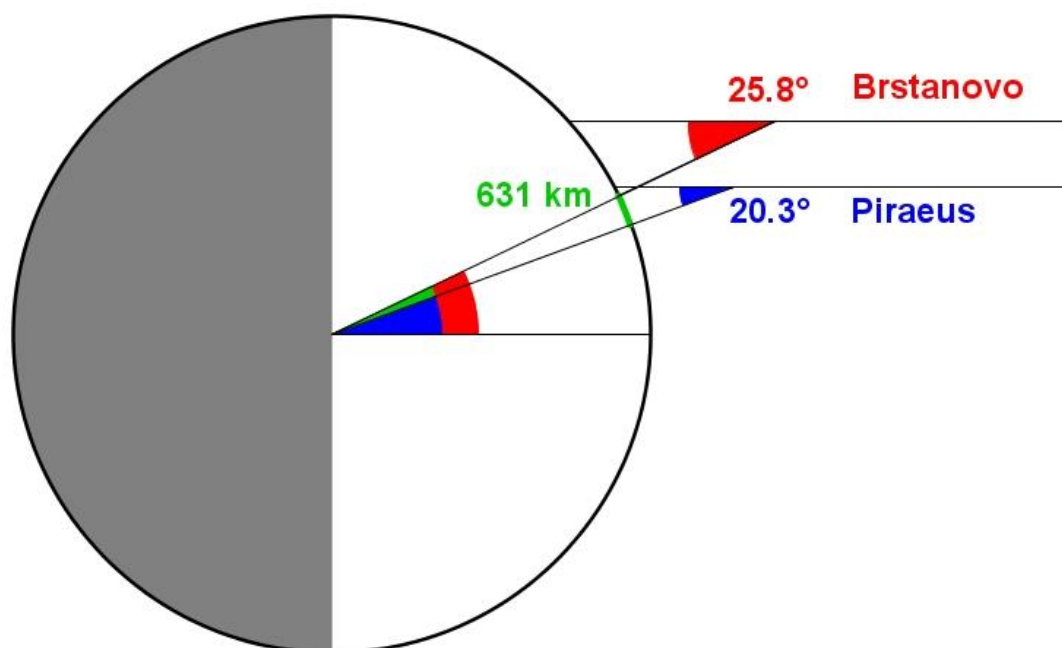


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Piraeus	Greece	2nd Junior High School of Korydallos	37.977	23.655

Date	Gnomon	Shadow	Angle
10 May	100 cm	37 cm	20.3°
31 May	100 cm	36 cm	19.8°

10 May 2016 (Brstanovo-CROATIA) Latitude 43.658

10 May 2016 (Piraeus- GREECE) Latitude 37.977



$$\text{circumference} = \frac{360^\circ \times 631 \text{ km}}{25.8^\circ - 20.3^\circ} = 41302 \text{ km}$$



Pozega, Serbia

May 2016

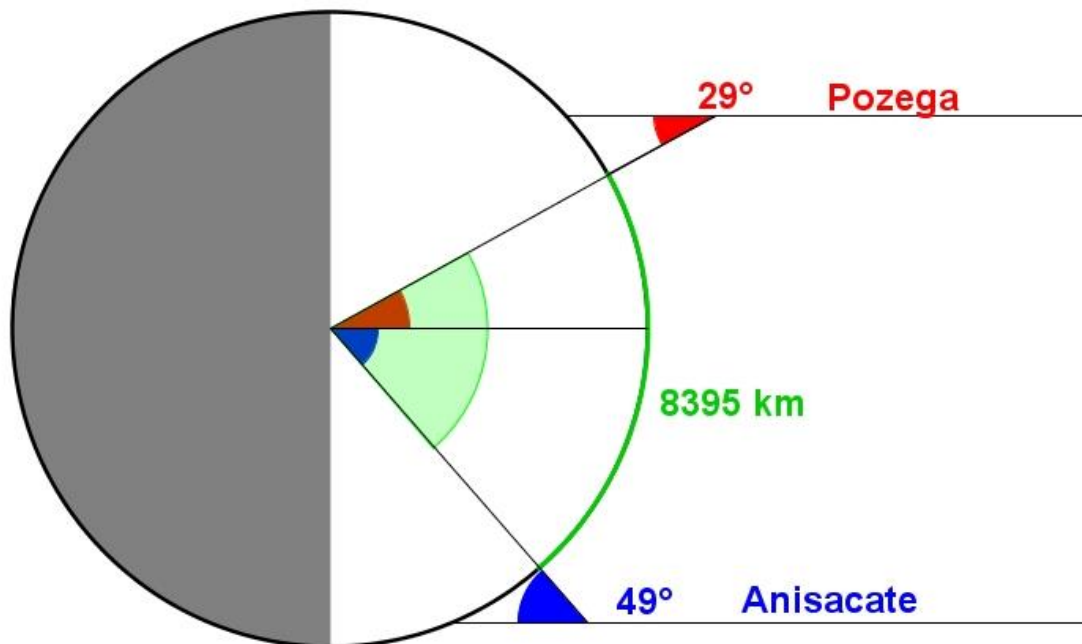


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Pozega	Serbia	Primary school Petar Lekovic	43.850	20.039

Date	Gnomon	Shadow	Angle
06 May	100 cm	55.5 cm	29.0°
09 May	96 cm	53 cm	28.9°

06 May 2016 (Pozega-SERBIA) Latitude: 43.85

07 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8395 \text{ km}}{29^\circ + 49^\circ} = 38746 \text{ km}$$



Pylos, Greece

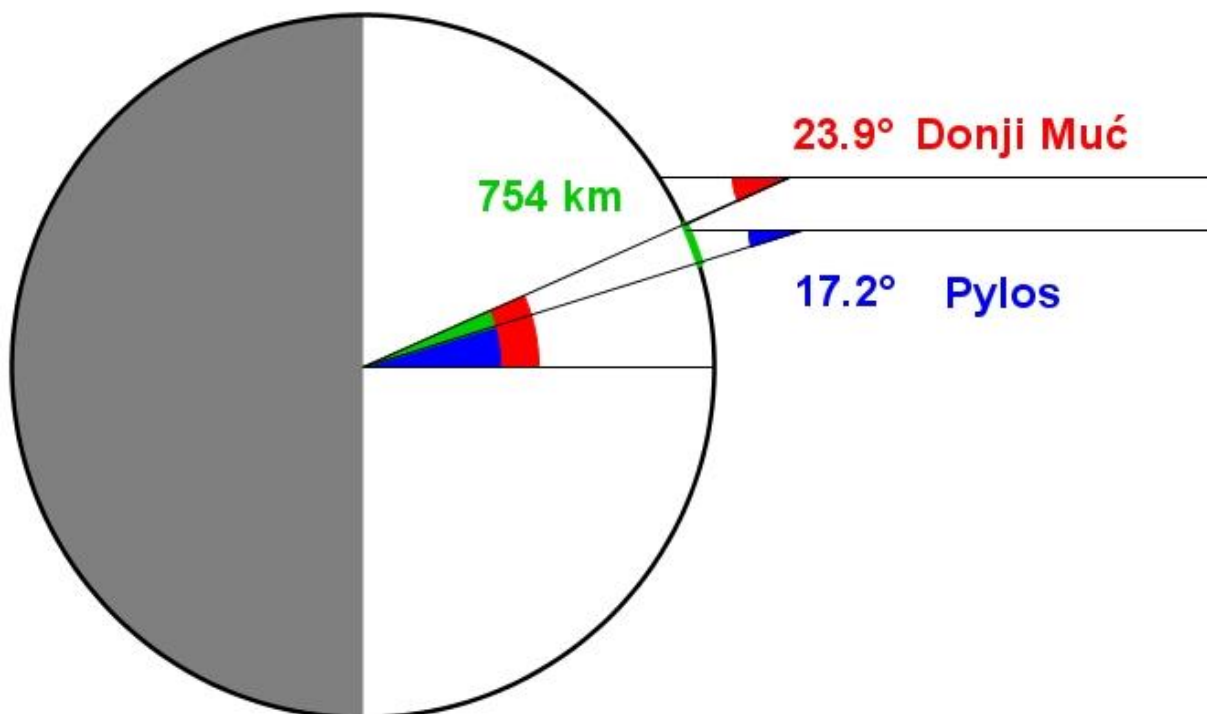
May 2016



Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Pylos	Greece	1st Kindergarten of Pylos	36.911	21.694
Date	Gnomon		Shadow	Angle	
25 May	42 cm		13 cm	17.2°	

25 May 2016 (Donji Muć-CROATIA) Latitude: 43.694°

25 May 2016 (Pylos-GREECE) Latitude: 36.911°



$$\text{circumference} = \frac{360^\circ \times 754 \text{ km}}{23.9^\circ - 17.2^\circ} = 40513 \text{ km}$$



Riga, Latvia

May 2016

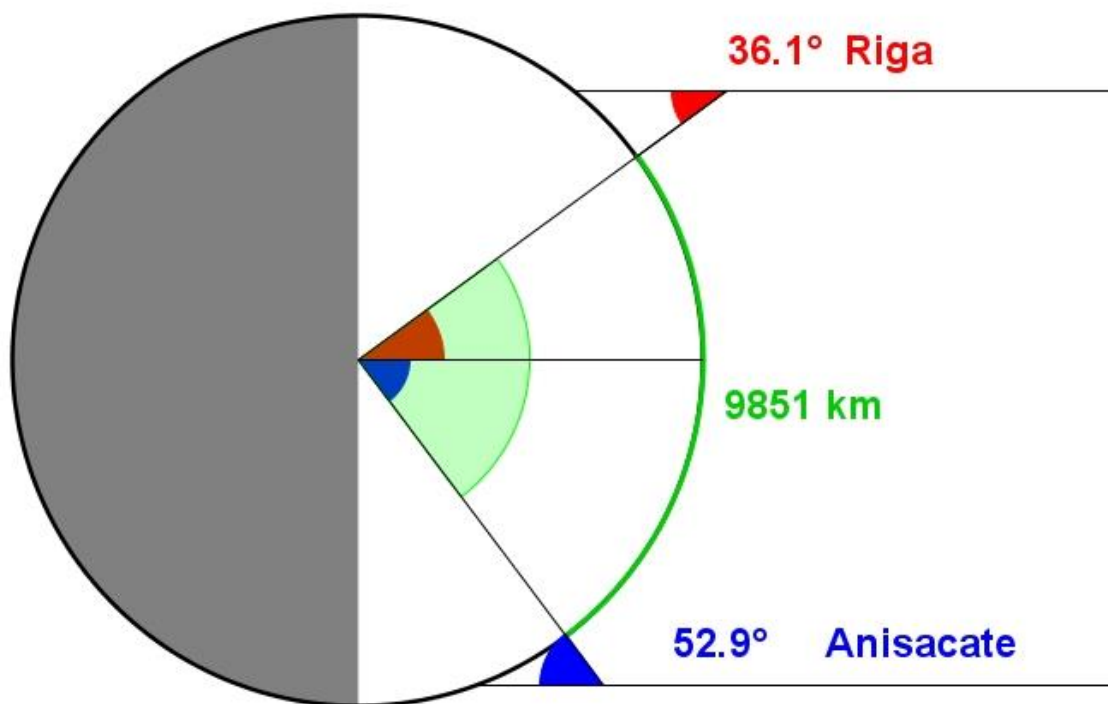


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Riga	Latvia	Riga State Technical School	56.953	24.104

Date	Gnomon	Shadow	Angle
23 May	100 cm	75.9 cm	37.2°
25 May	100 cm	73 cm	36.1°

25 May 2016 (Riga-LATVIA) Latitude: 56.953

24 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 9851 \text{ km}}{36.1^\circ + 52.9^\circ} = 39847 \text{ km}$$



