



The Enormous Earth

An Amazing
Fact a Day

A moderately active human with an average stride length, who lives to the age of 80, will walk approximately 5 times round the world.

You could try to find out:

- what an average number of steps per day is;
- how a pedometer works;
- if you can measure how many steps you take in a day;
- what the distance round the world is.



The equatorial circumference of Earth is about 24,902 miles (40,075 km). The polar circumference however, is only 24,860 miles (40,000 km).

Use a written calculation or a calculator to find:

1. The difference between the circumference of the Earth and the polar circumference.

2. The circumference of the Earth in metres.

3. The polar circumference in metres.

4. If a person walked 30 miles in a day, how many days would it take them to walk around the world? How long would it take them to walk the polar circumference.

The Enormous Earth Answers

1. The difference between the circumference of the Earth and polar circumference.

42 miles (67km)

2. The circumference of the Earth in metres.

40,075,000 m

3. The polar circumference in metres.

40,008,000 m

4. If a person walked 30 miles in a day, how many days would it take them to walk around the world? How long would it take them to walk the polar circumference.

a. 830 days

b. 828.66 days