

Using the Chart...

Sample #1

BEGIN

For this activity, all you have to do is touch anywhere on the right side of the screen to go forward and anywhere on the left side to go back.

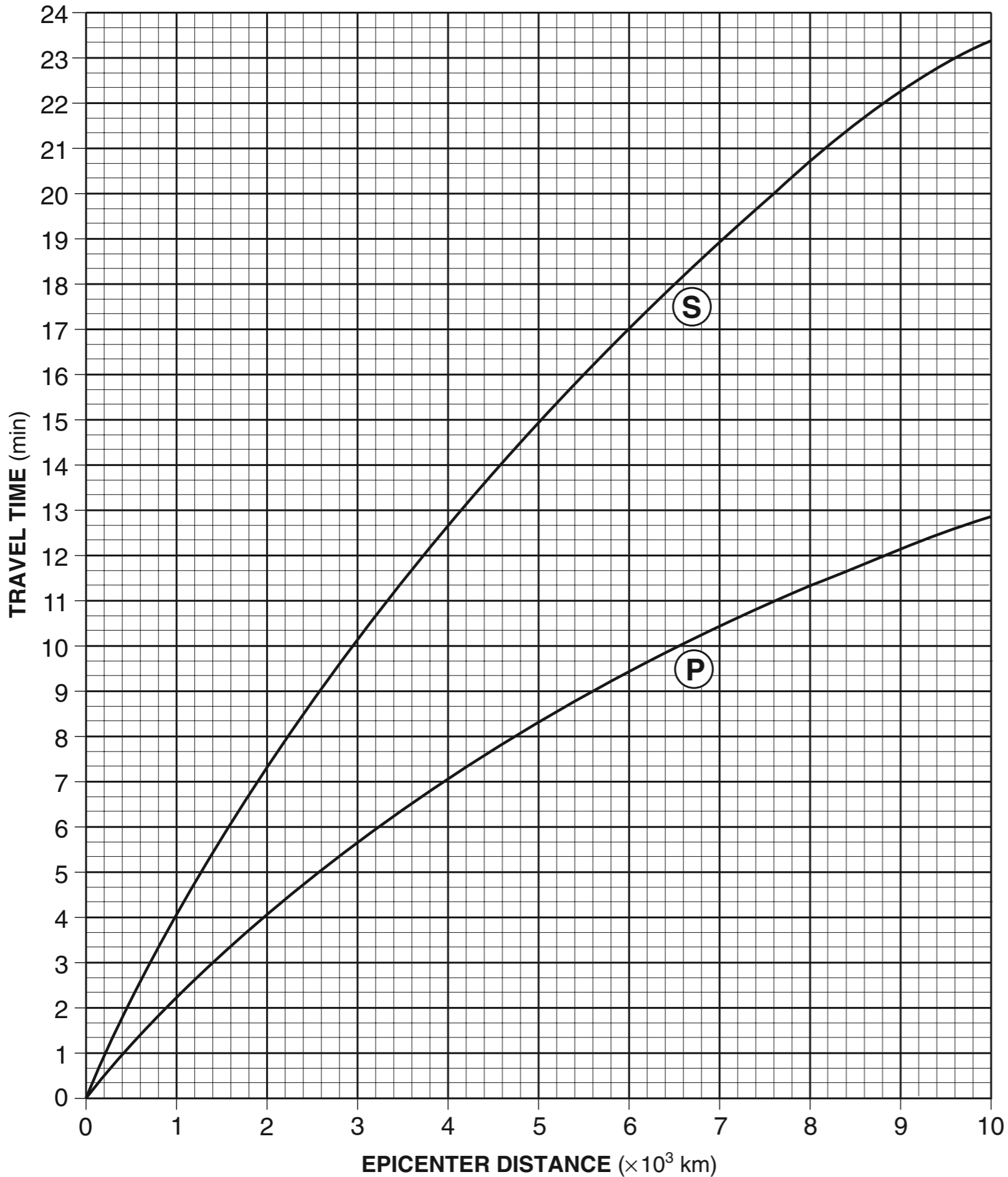
A large red arrow pointing to the left, spanning across the light pink background.

BACK

A large blue arrow pointing to the right, spanning across the light blue background.

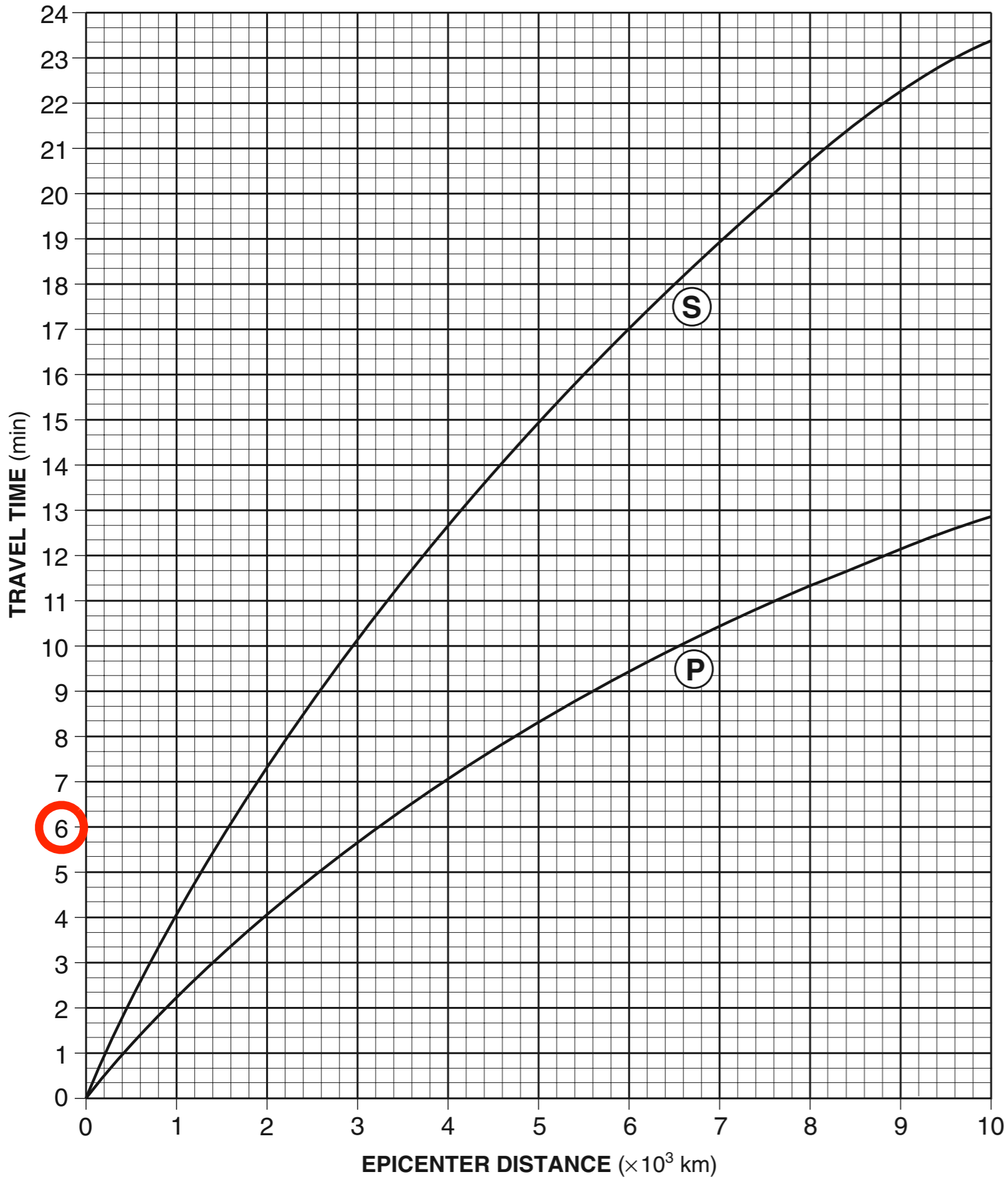
FORWARD

Earthquake P-Wave and S-Wave Travel Time



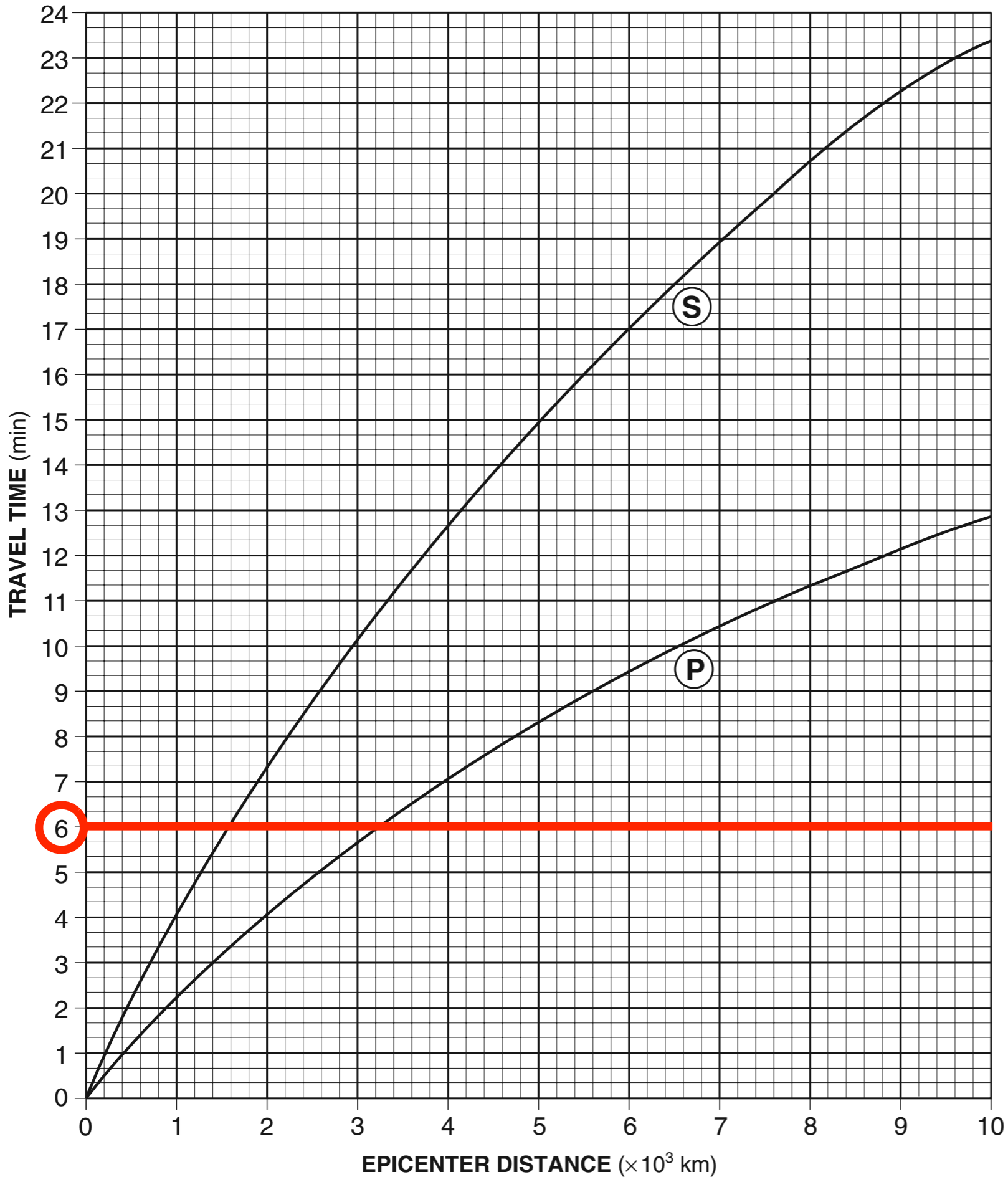
**How far will a
P-Wave travel
in 6 minutes?**

Earthquake P-Wave and S-Wave Travel Time



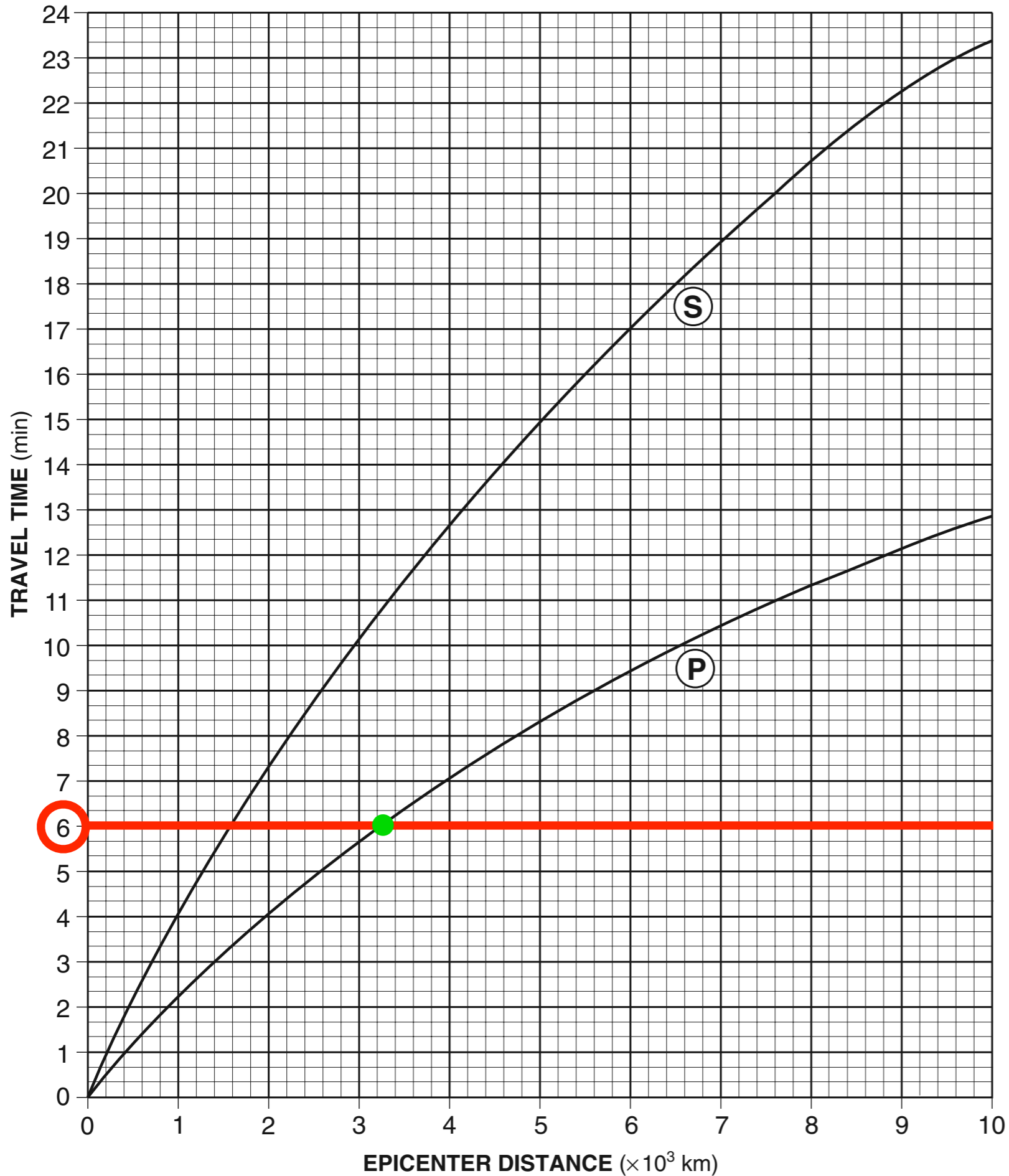
**How far will a
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Earthquake P-Wave and S-Wave Travel Time



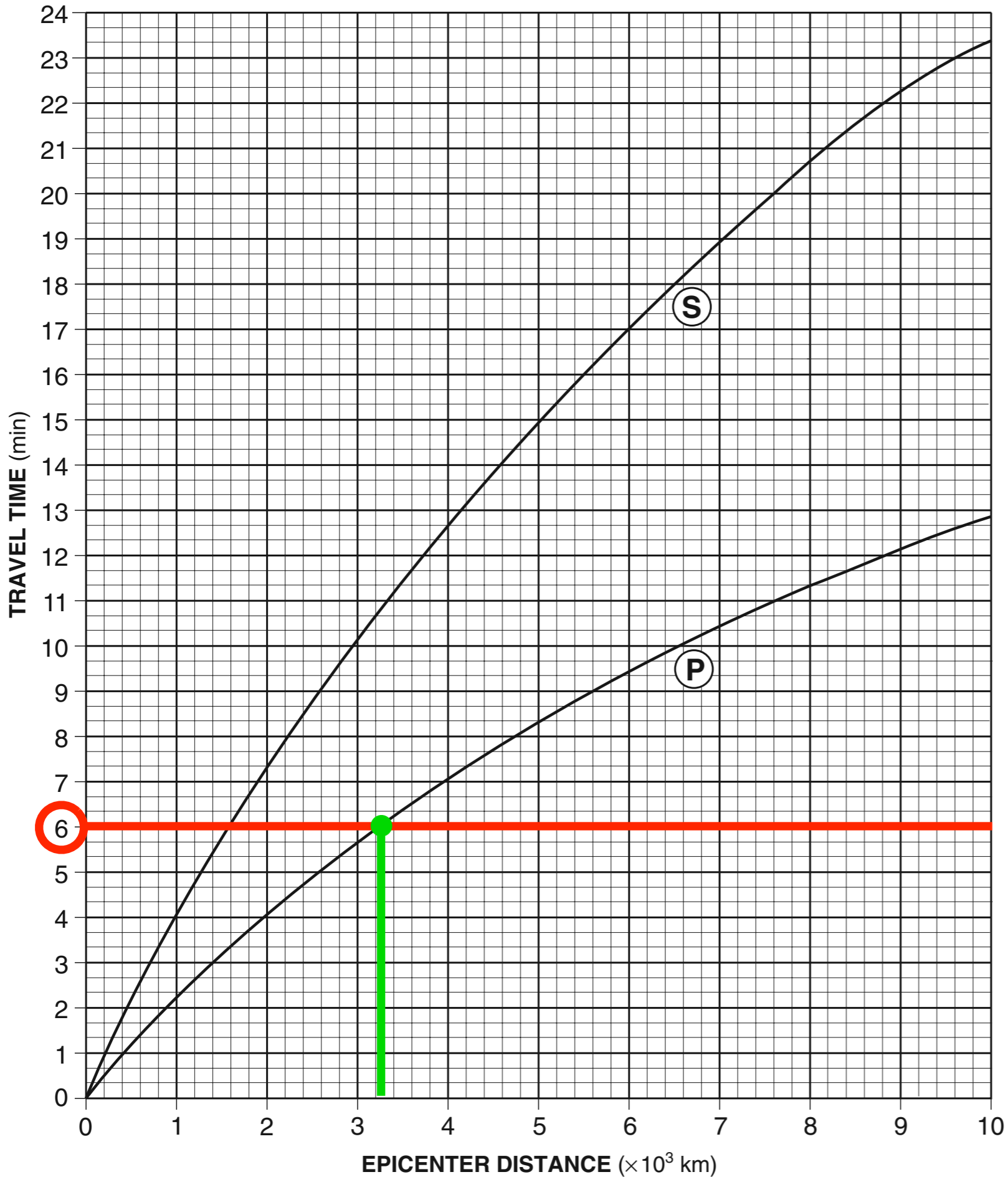
**How far will a
P-Wave travel
in 6 minutes?**

Earthquake P-Wave and S-Wave Travel Time



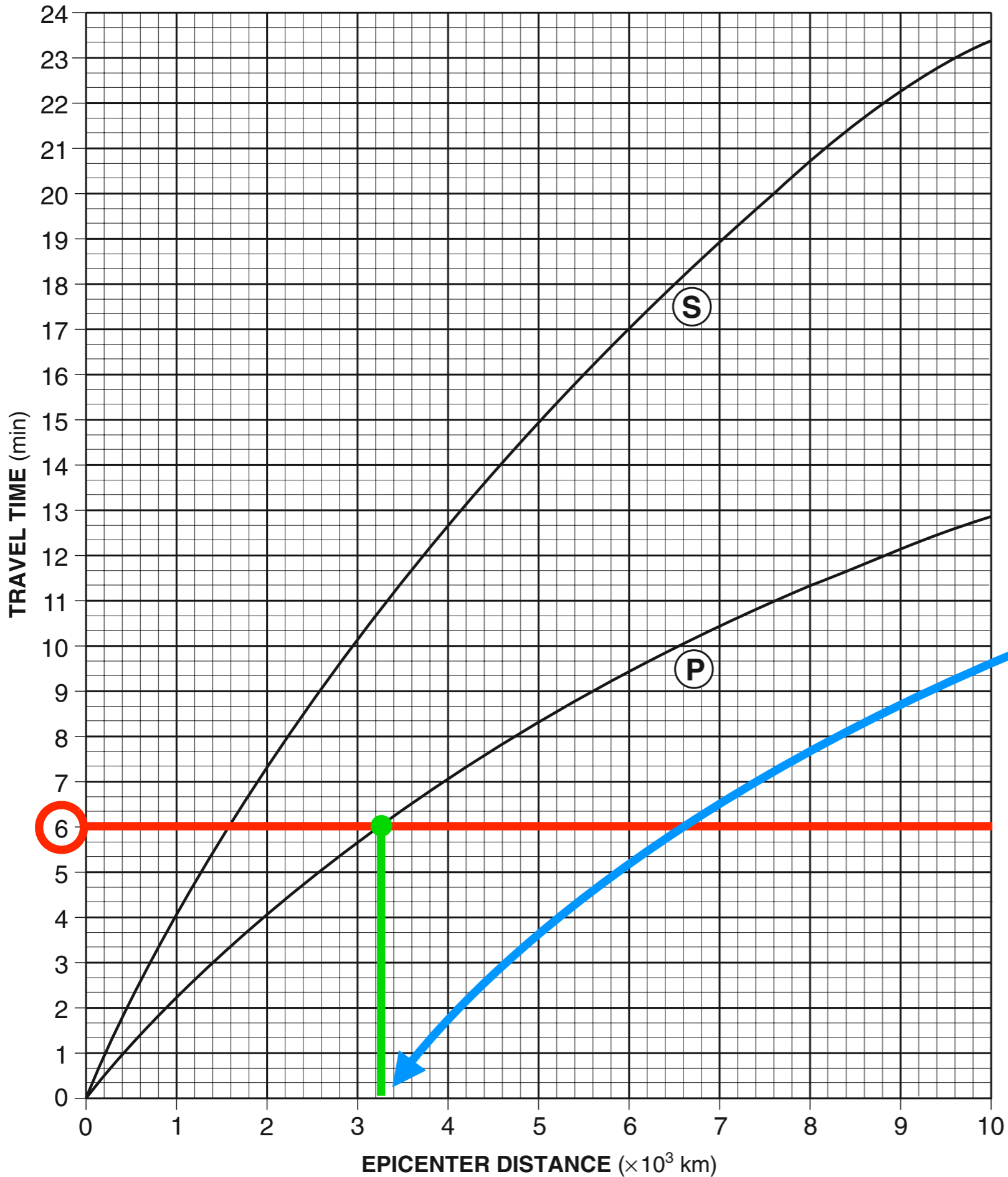
**How far will a
P-Wave travel
in 6 minutes?**

Earthquake P-Wave and S-Wave Travel Time



**How far will a
P-Wave travel
in 6 minutes?**

Earthquake P-Wave and S-Wave Travel Time



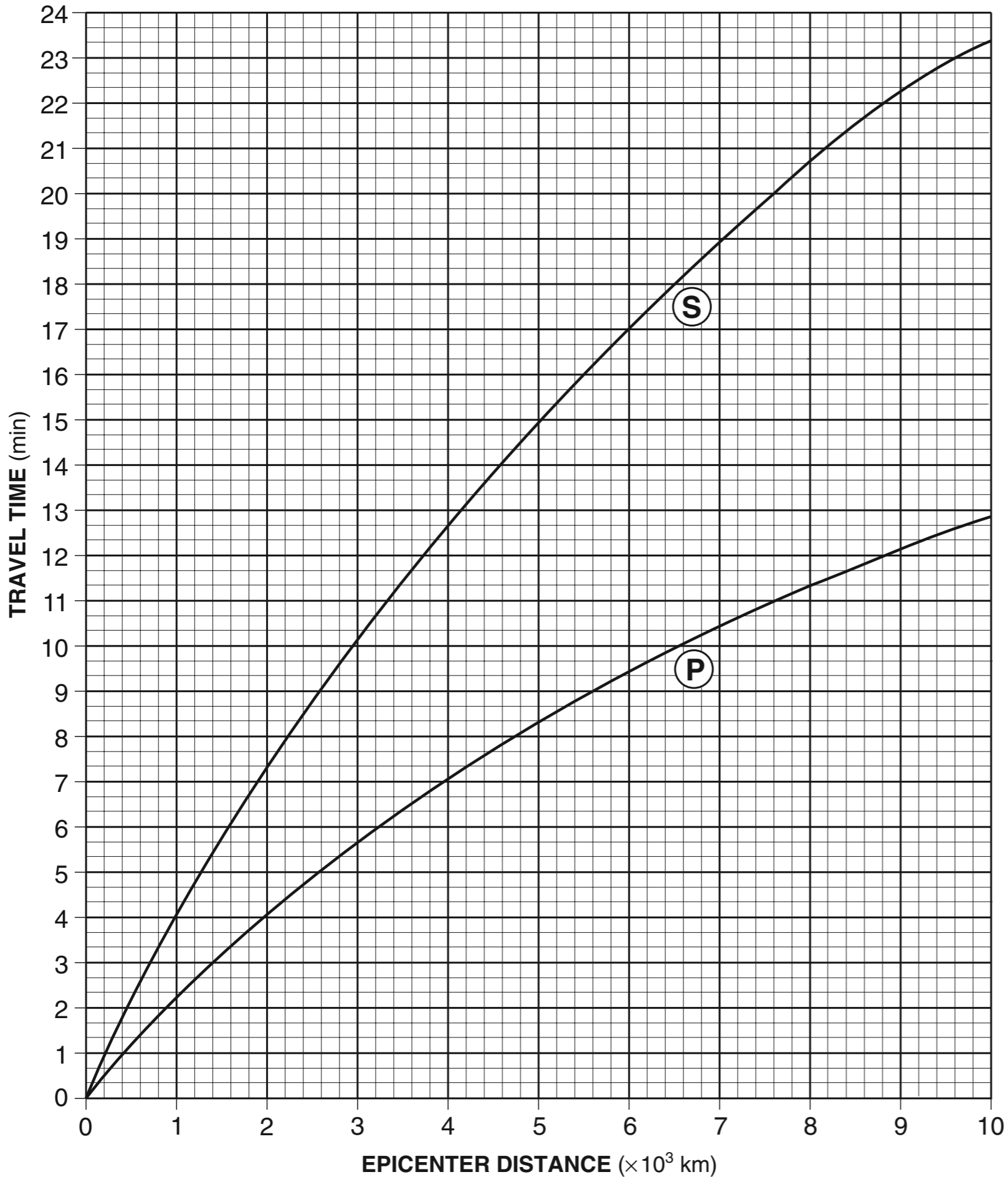
How far will a P-Wave travel in 6 minutes?

~3,250 km

Using the Chart...

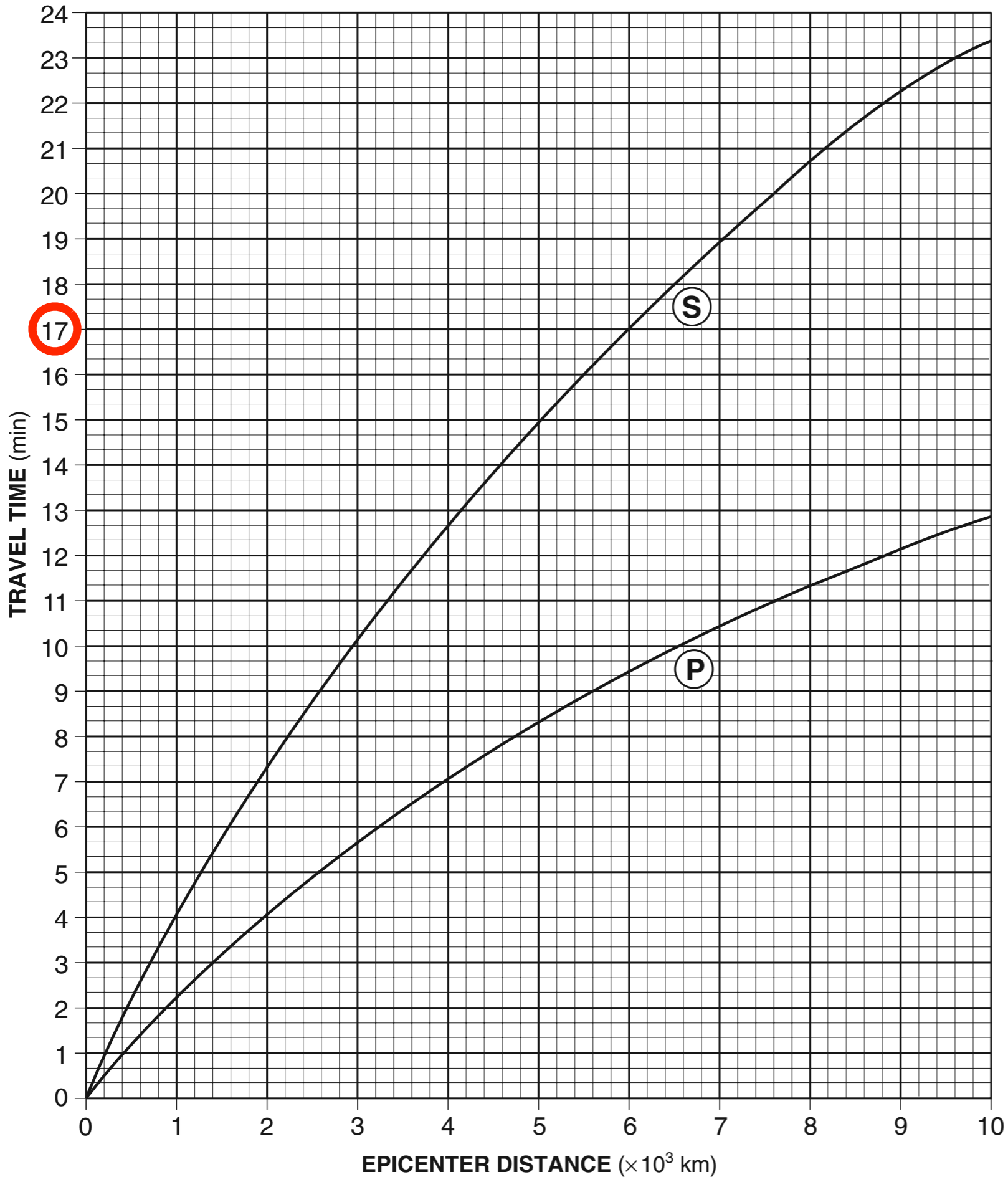
Sample #2

Earthquake P-Wave and S-Wave Travel Time



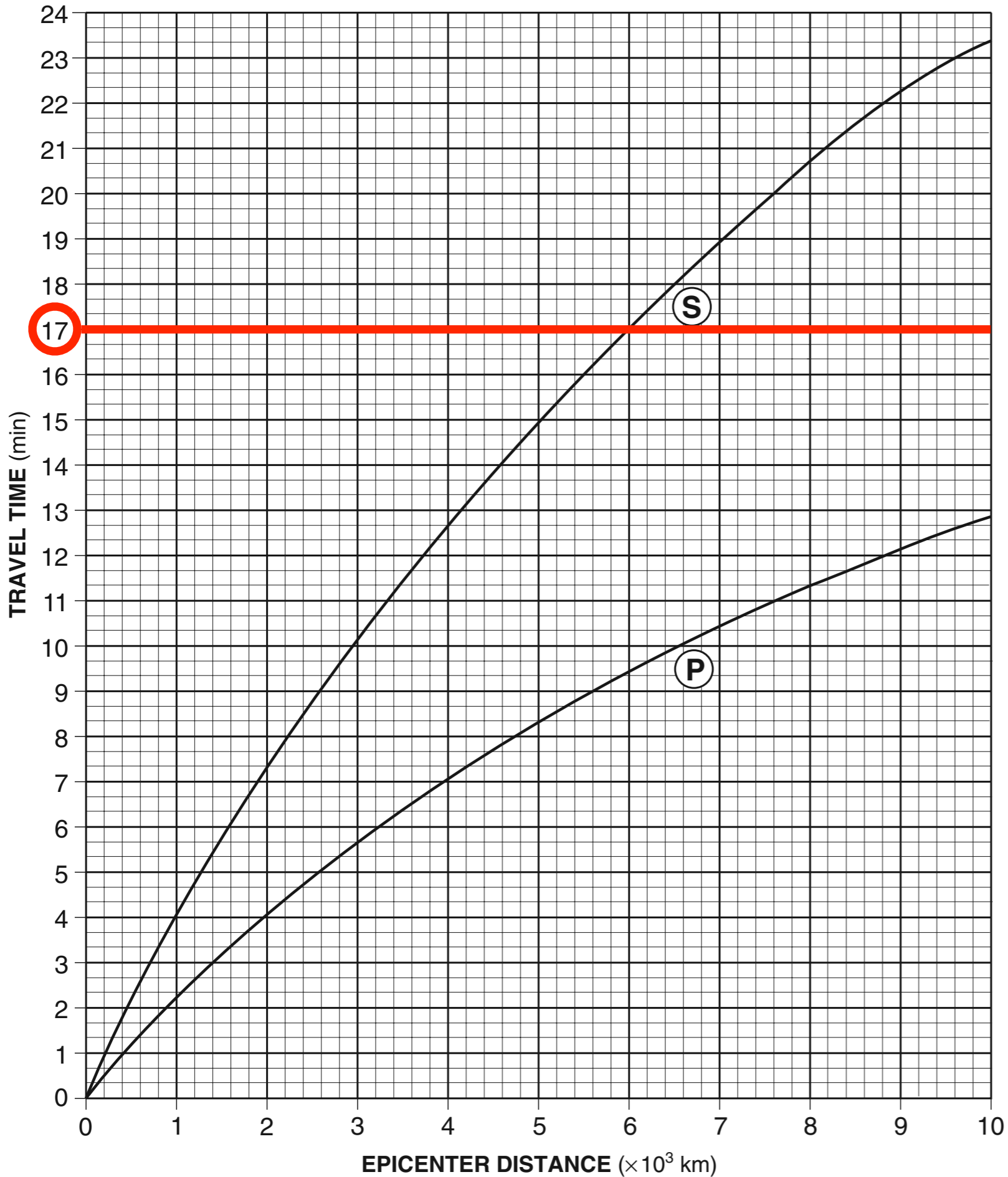
How far will an S-Wave travel in 17 minutes?

Earthquake P-Wave and S-Wave Travel Time



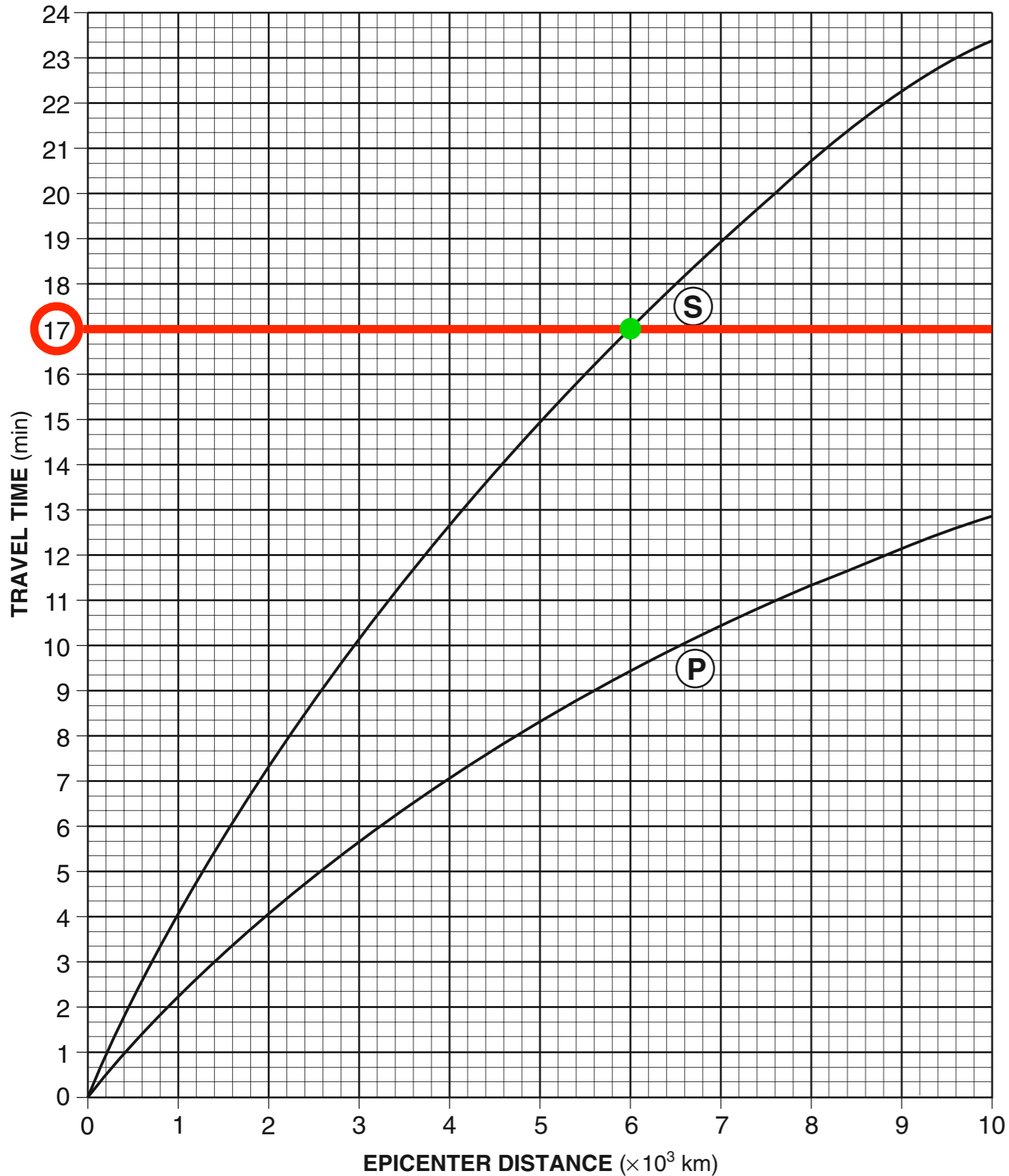
How far will an S-Wave travel in 17 minutes?

Earthquake P-Wave and S-Wave Travel Time



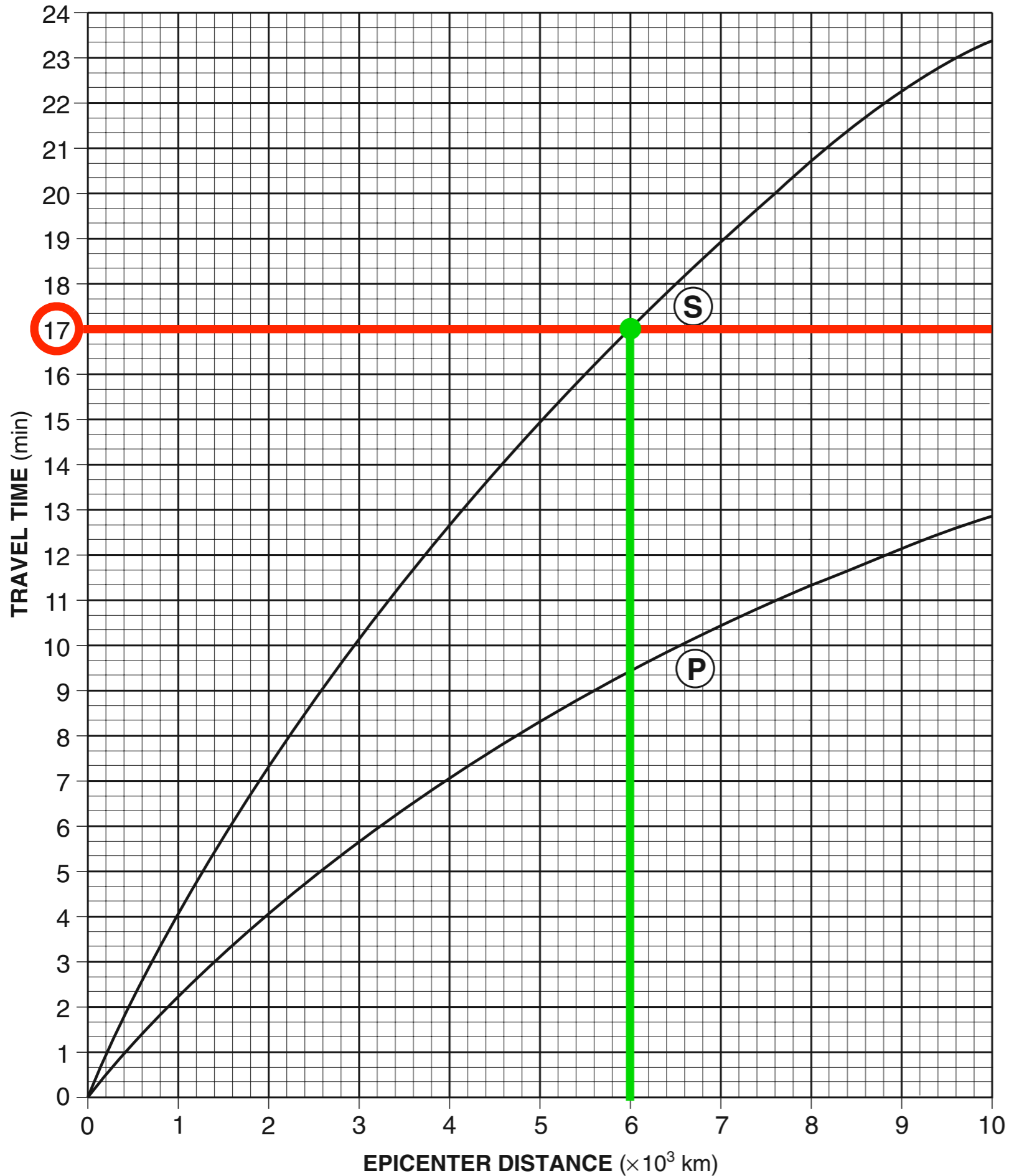
How far will an S-Wave travel in 17 minutes?

Earthquake P-Wave and S-Wave Travel Time



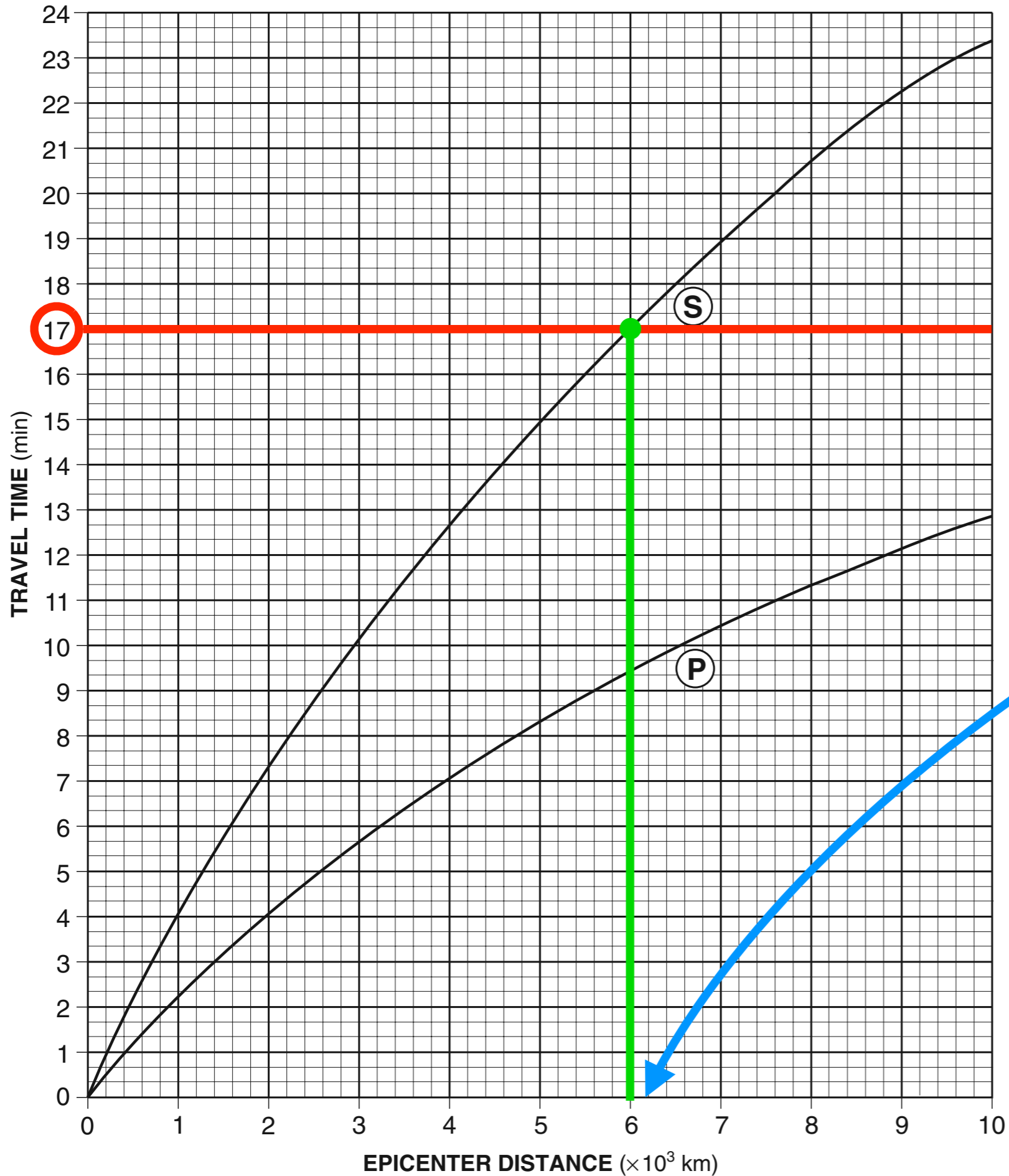
How far will an S-Wave travel in 17 minutes?

Earthquake P-Wave and S-Wave Travel Time



How far will an S-Wave travel in 17 minutes?

Earthquake P-Wave and S-Wave Travel Time



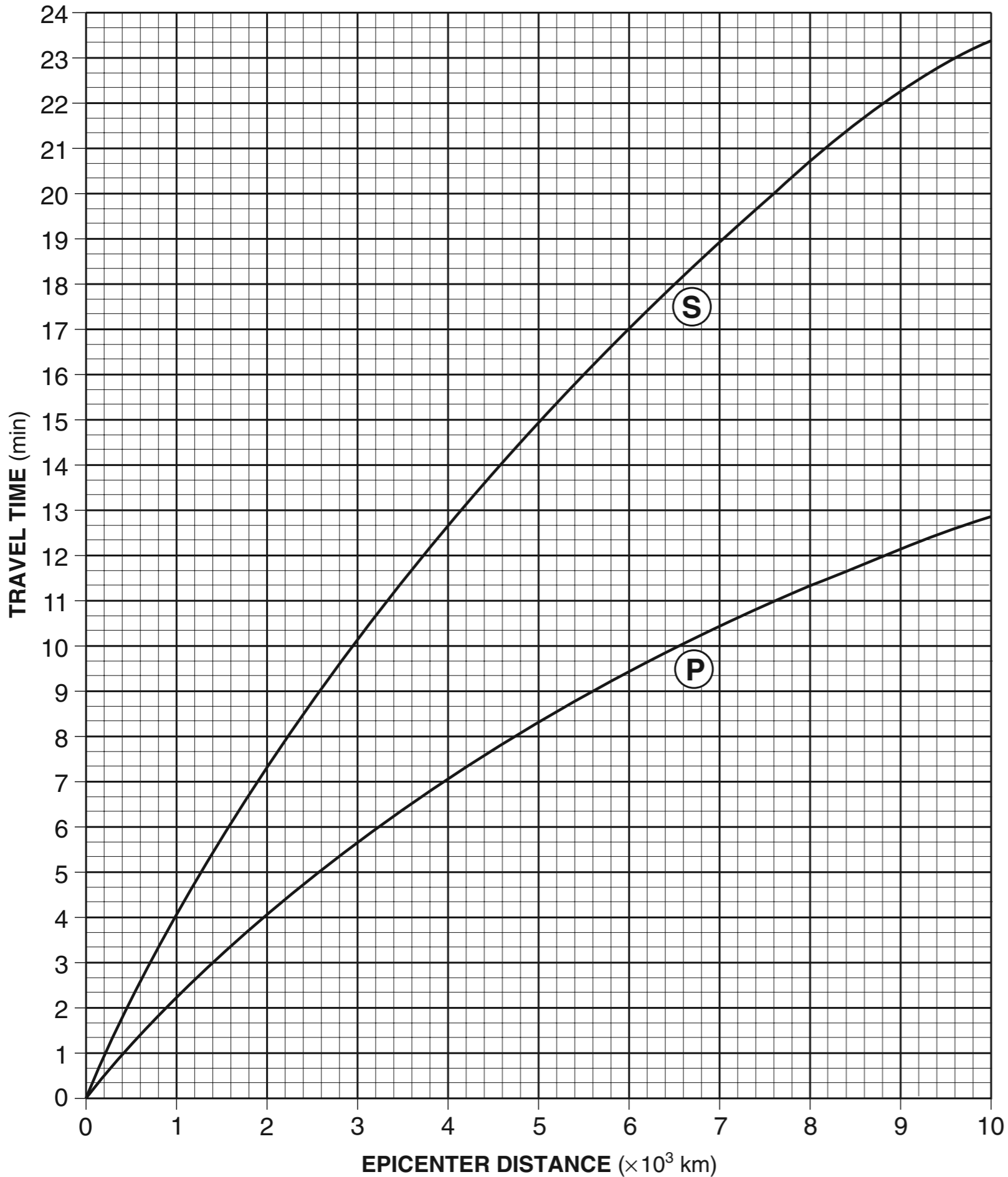
How far will an S-Wave travel in 17 minutes?

~6,000 km

Using the Chart...

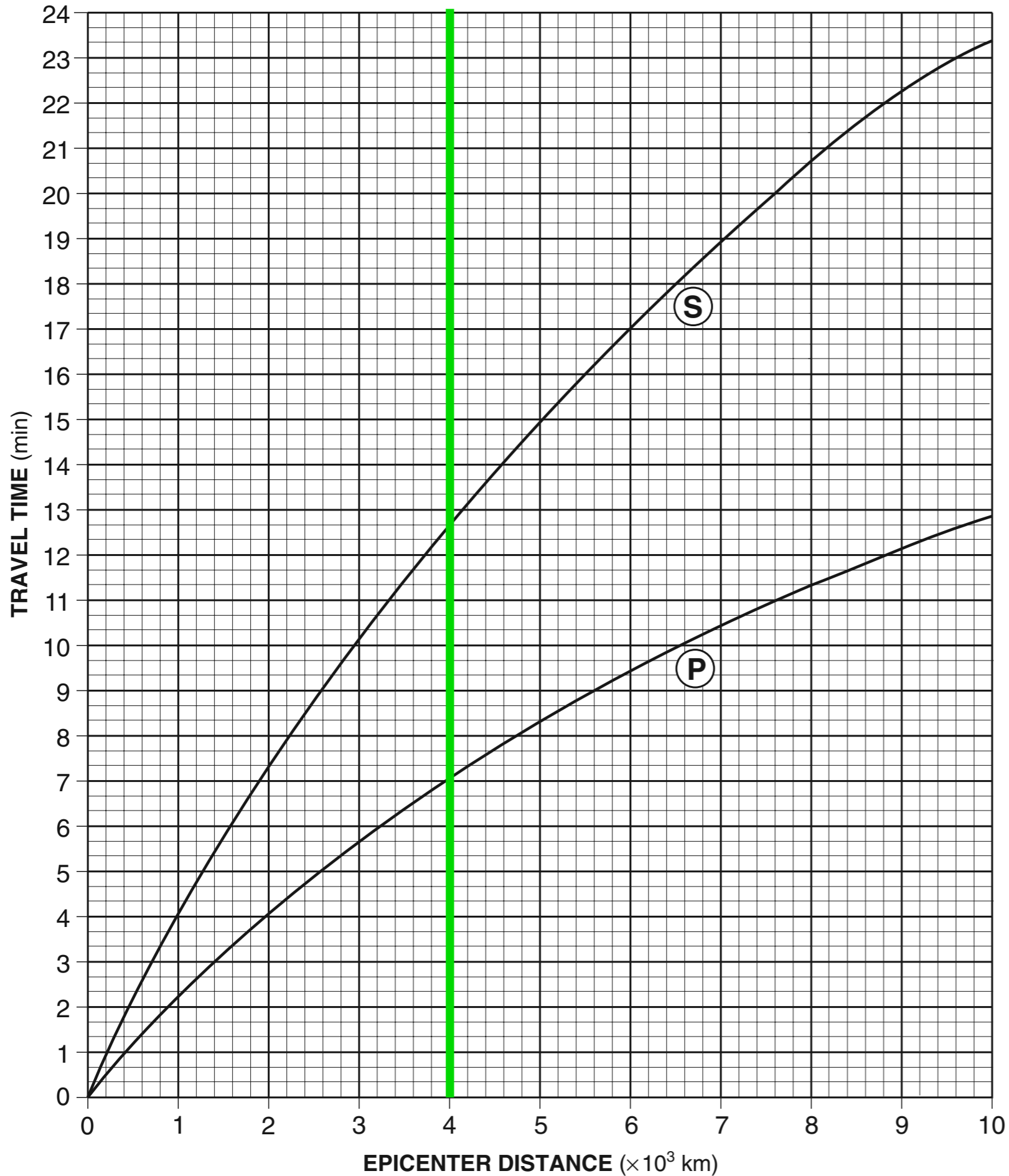
Sample #3

Earthquake P-Wave and S-Wave Travel Time



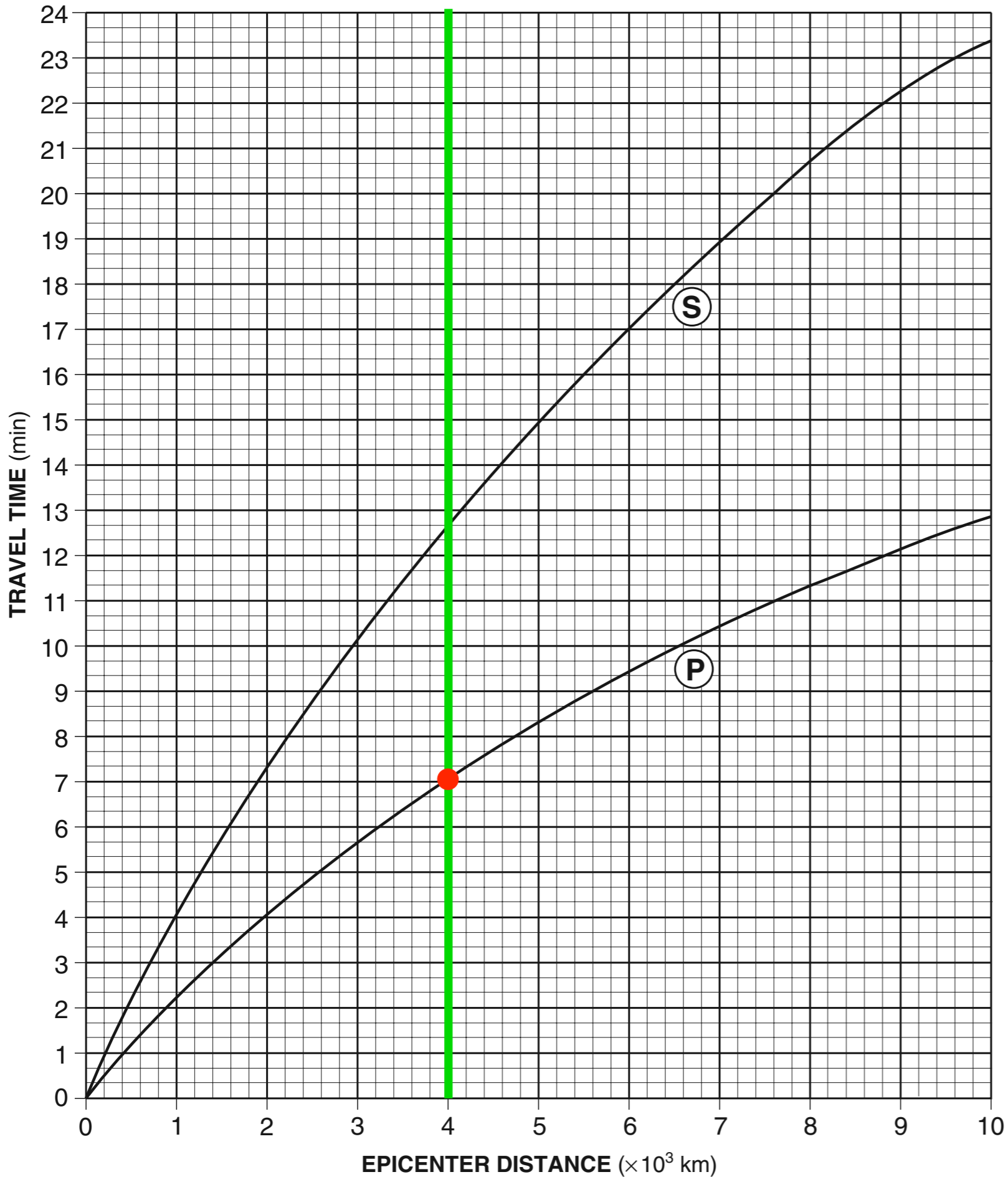
How long does it take a P-Wave to travel 4,000 km?

Earthquake P-Wave and S-Wave Travel Time



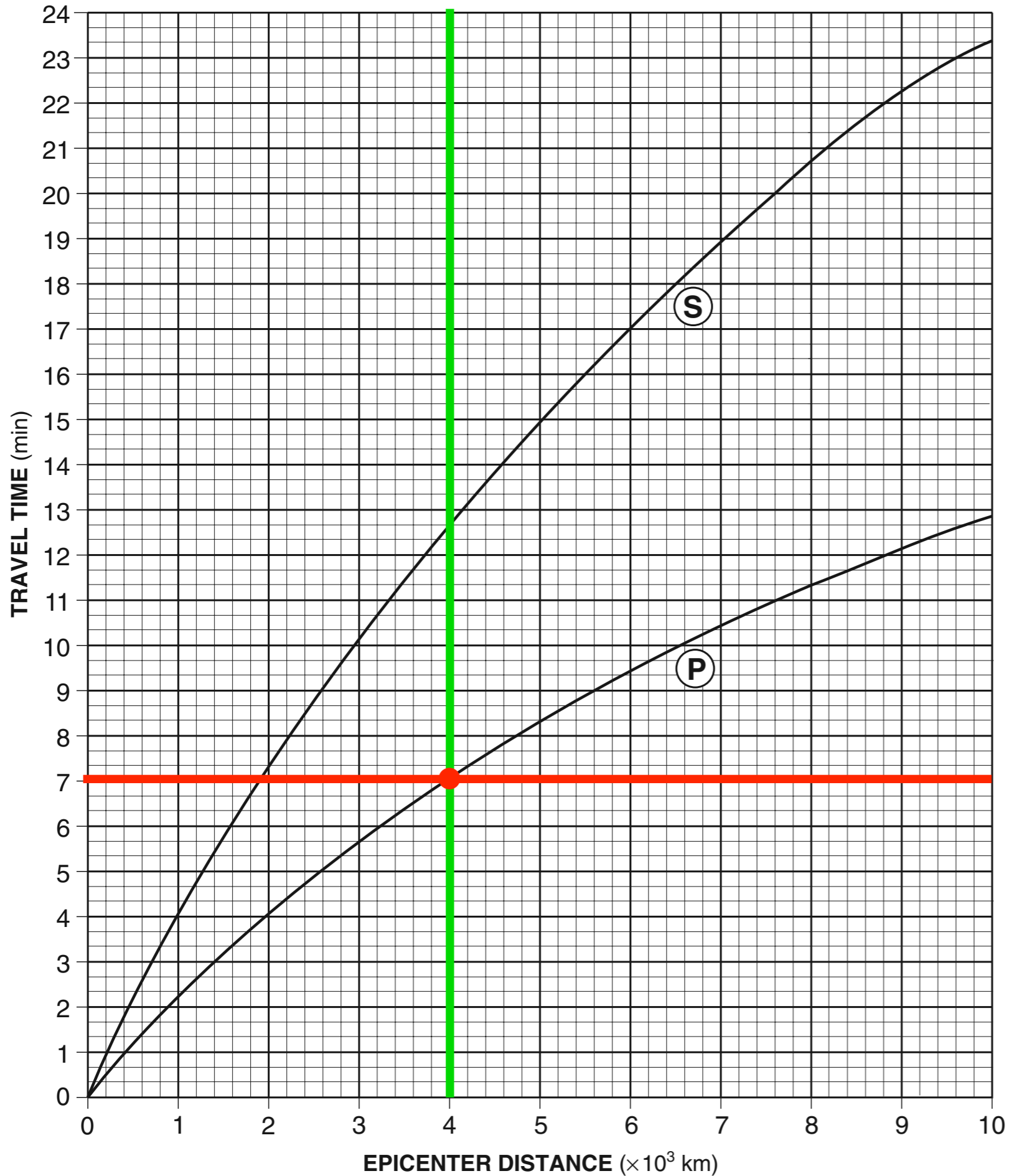
How long does it take a P-Wave to travel 4,000 km?

Earthquake P-Wave and S-Wave Travel Time



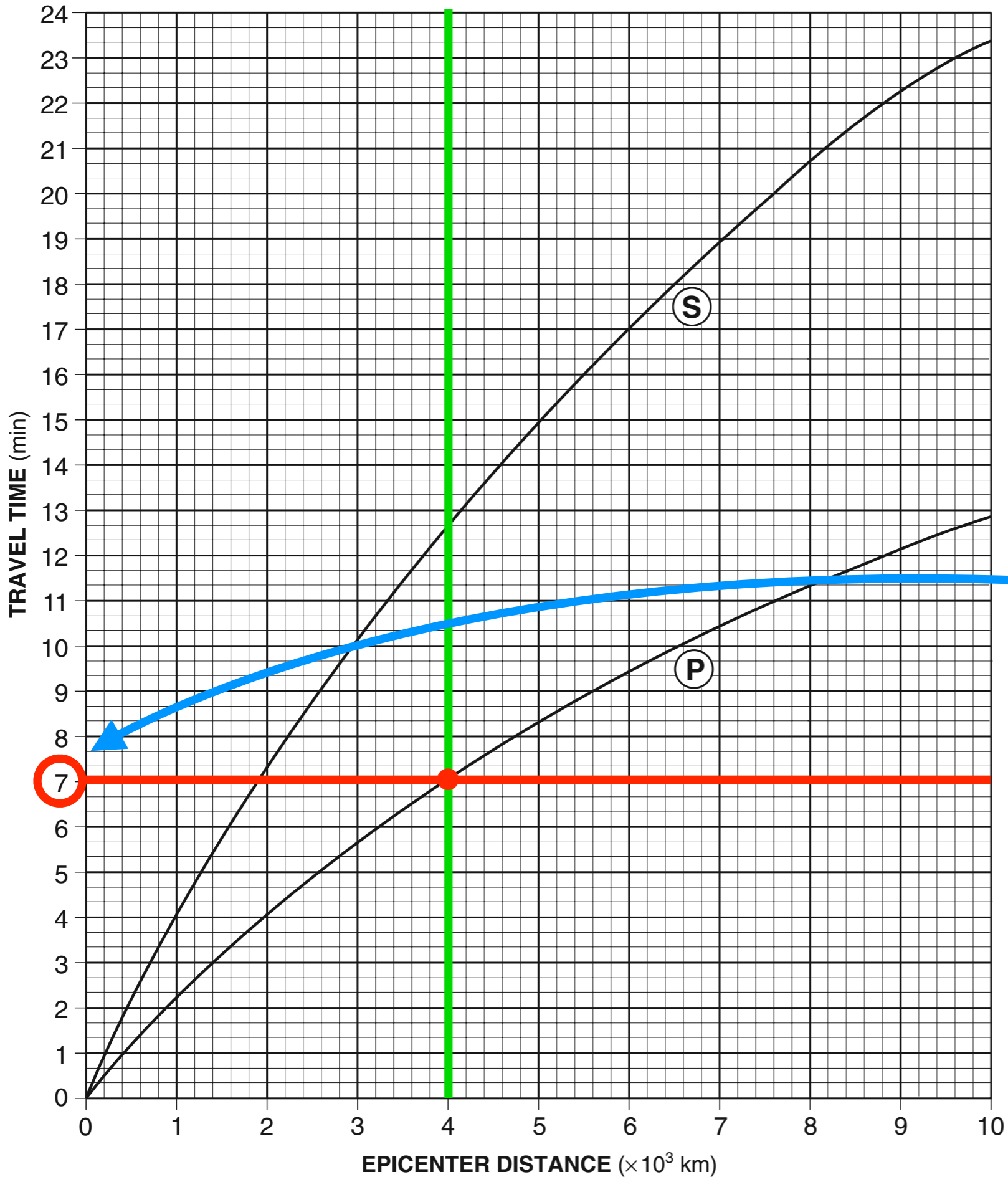
How long does it take a P-Wave to travel 4,000 km?

Earthquake P-Wave and S-Wave Travel Time



How long does it take a P-Wave to travel 4,000 km?

Earthquake P-Wave and S-Wave Travel Time



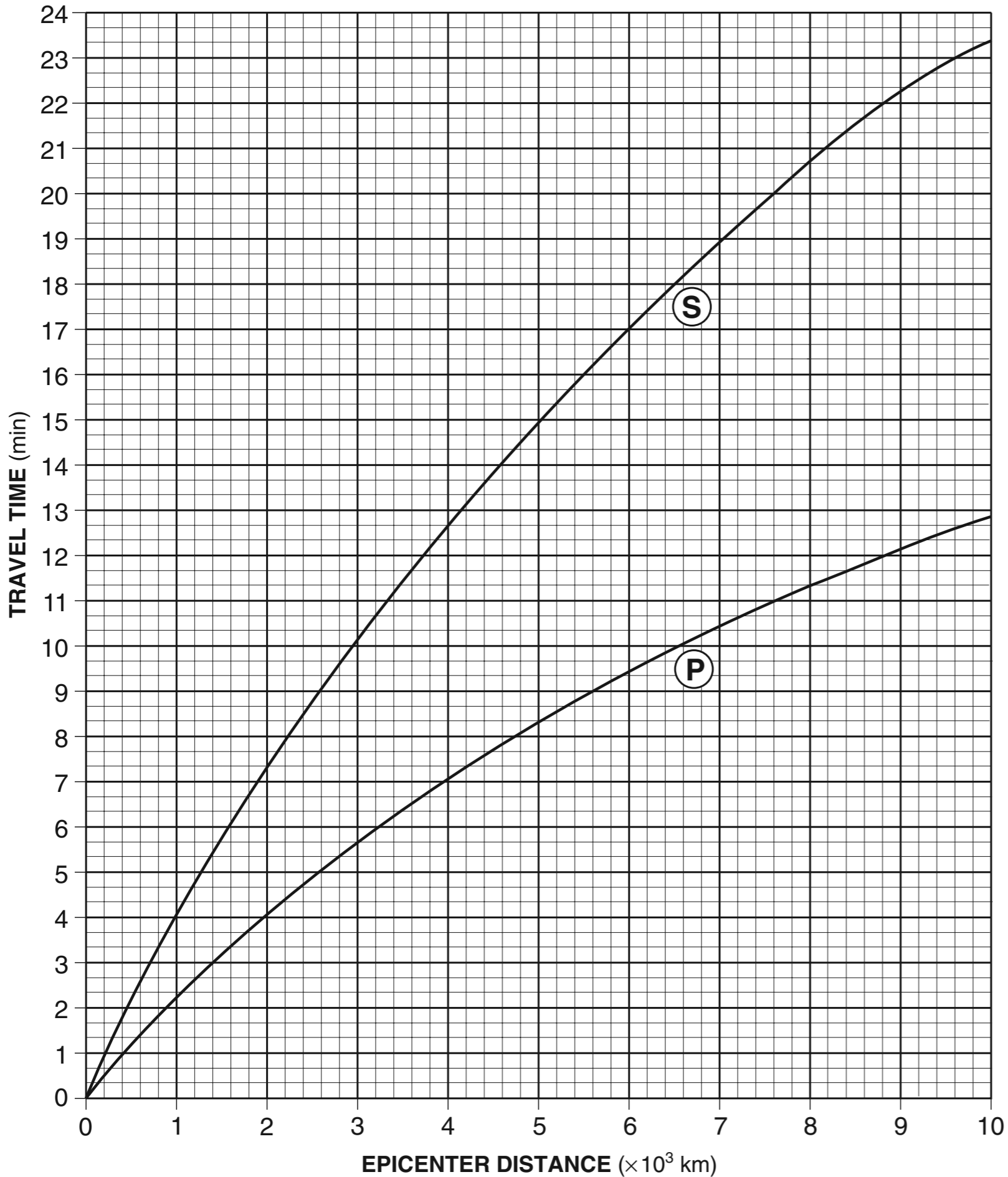
How long does it take a P-Wave to travel 4,000 km?

~7 minutes

Using the Chart...

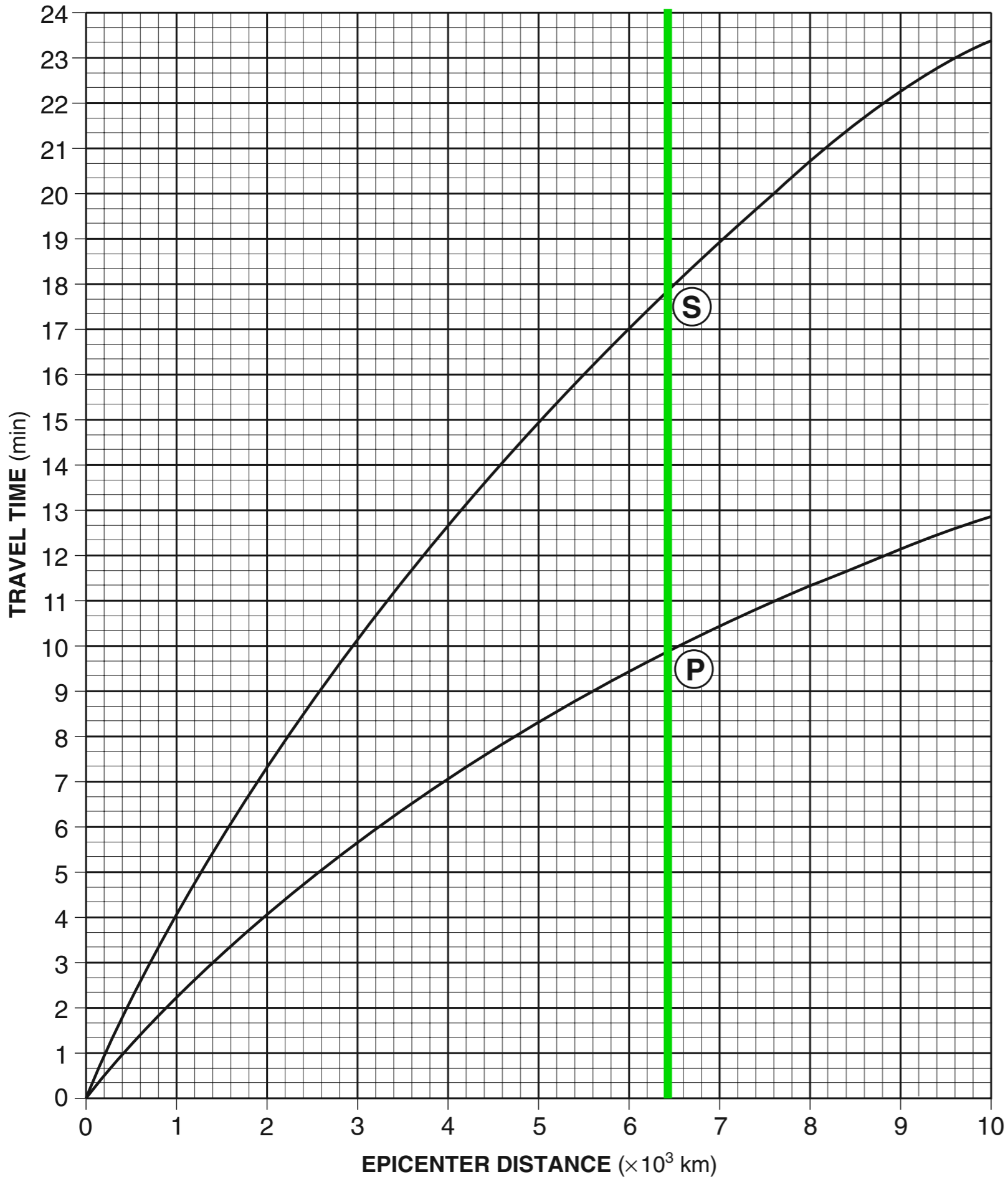
Sample #4

Earthquake P-Wave and S-Wave Travel Time



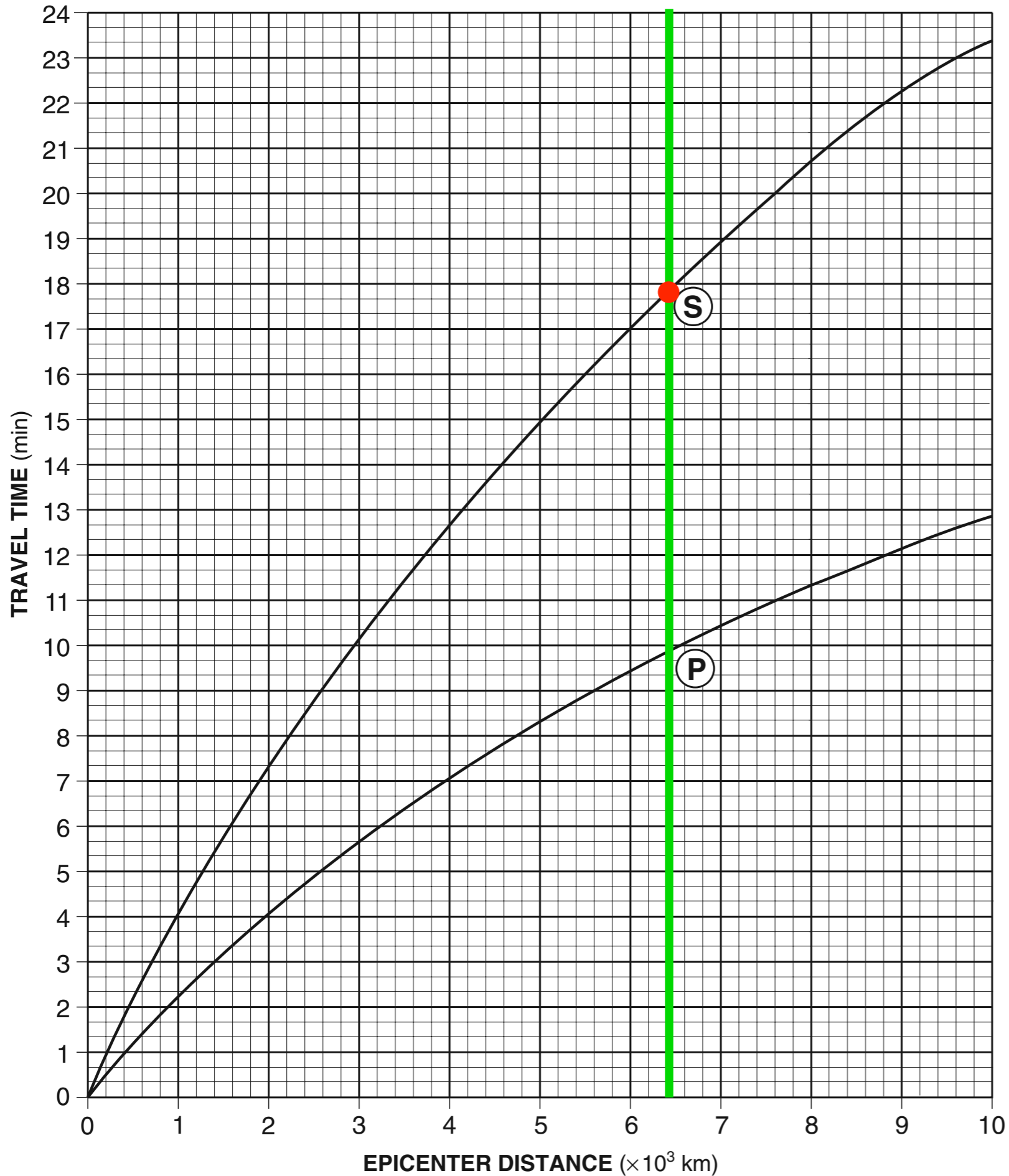
How long does it take an S-Wave to travel 6,400 km?

Earthquake P-Wave and S-Wave Travel Time



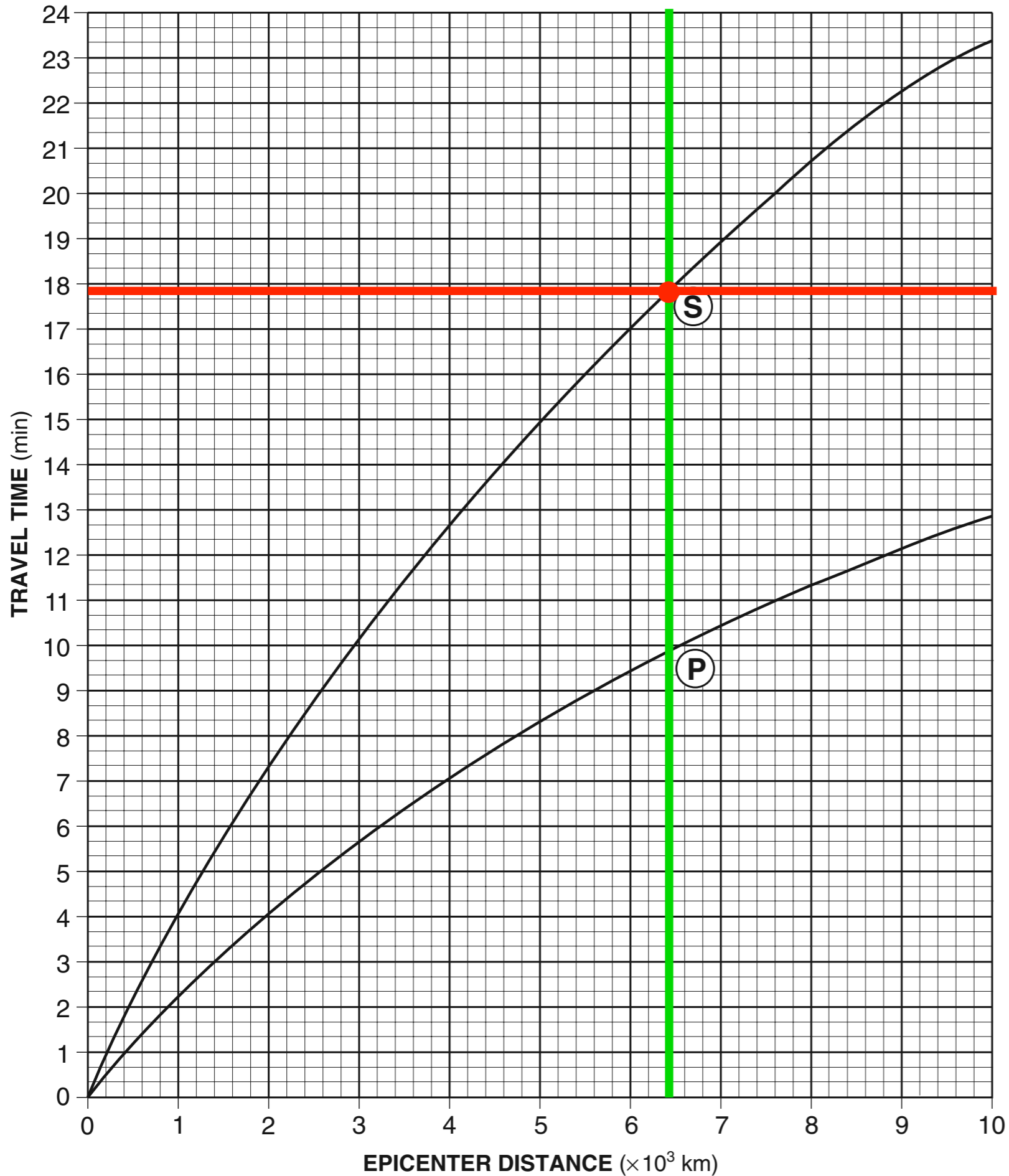
How long does it take an S-Wave to travel 6,400 km?

Earthquake P-Wave and S-Wave Travel Time



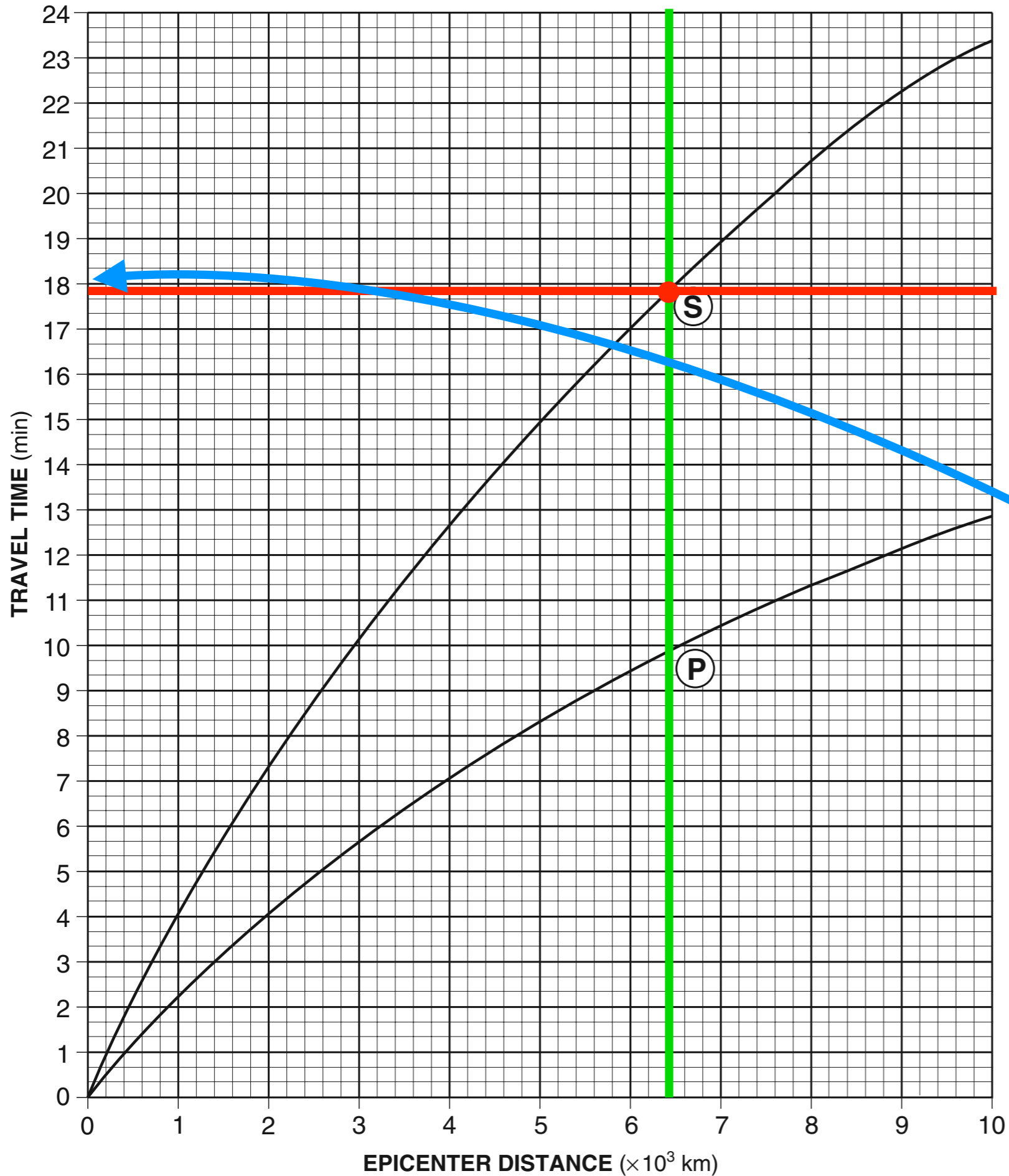
How long does it take an S-Wave to travel 6,400 km?

Earthquake P-Wave and S-Wave Travel Time



How long does it take an S-Wave to travel 6,400 km?

Earthquake P-Wave and S-Wave Travel Time



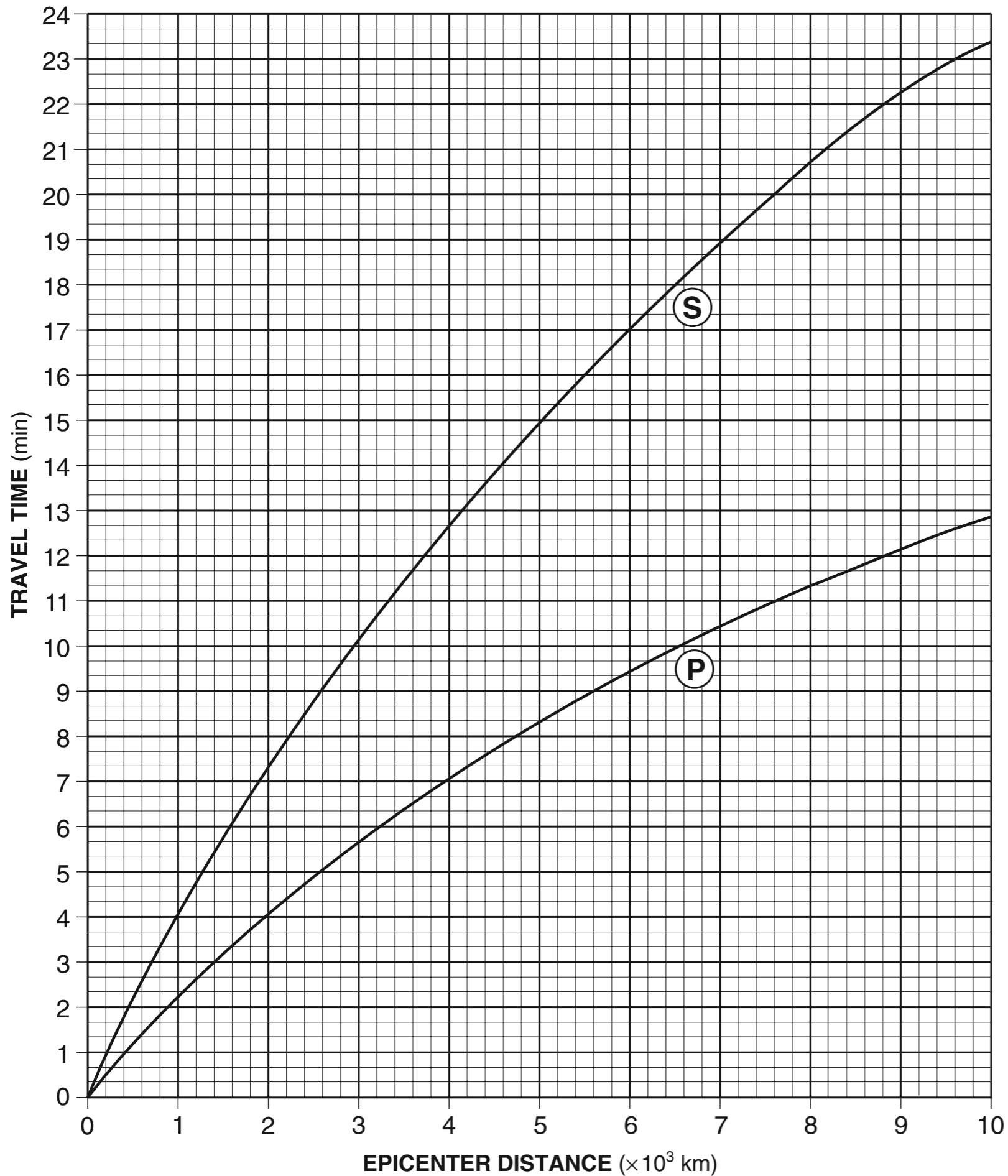
How long does it take an S-Wave to travel 6,400 km?

**17 minutes
45 seconds**

Using the Chart...

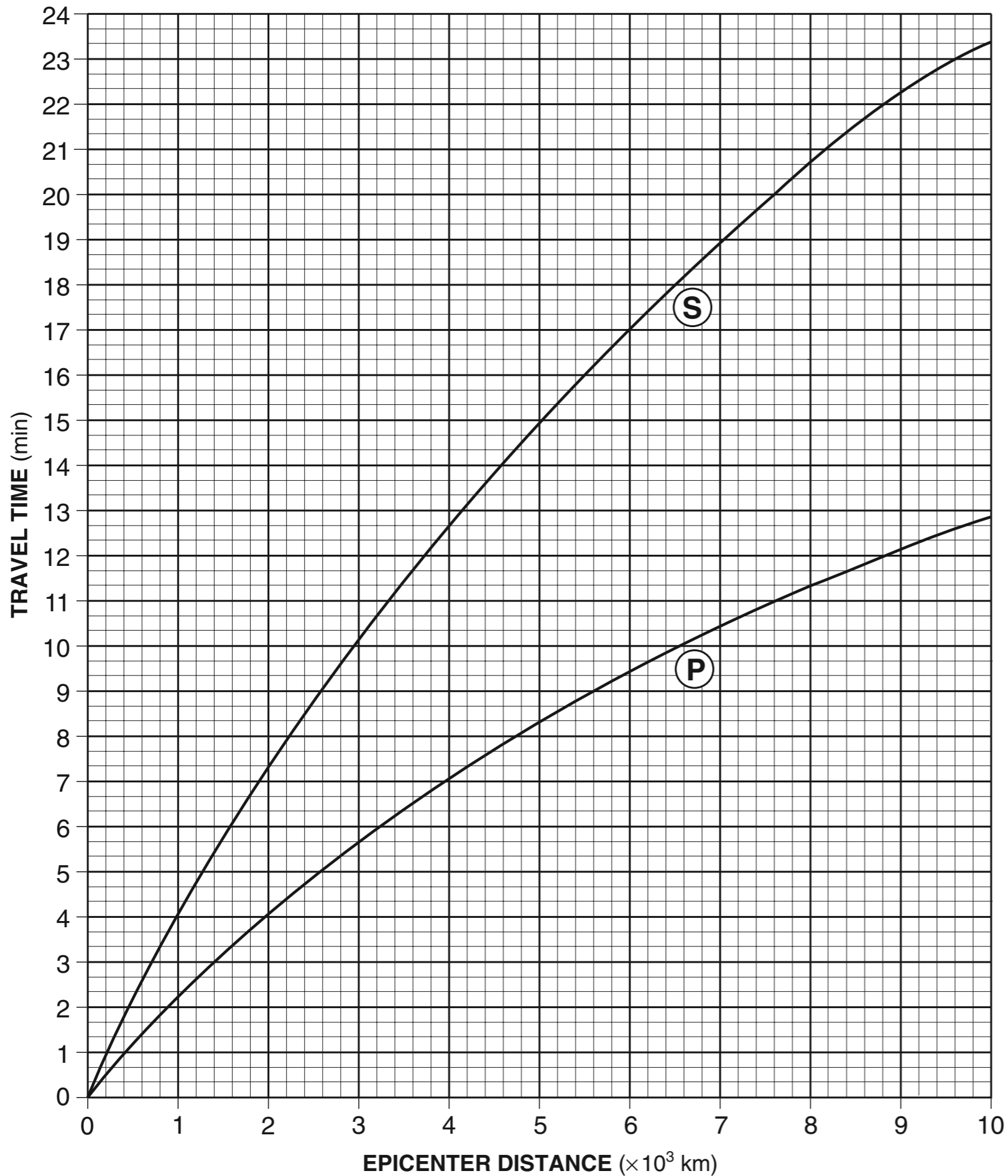
Practice Questions

Earthquake P-Wave and S-Wave Travel Time



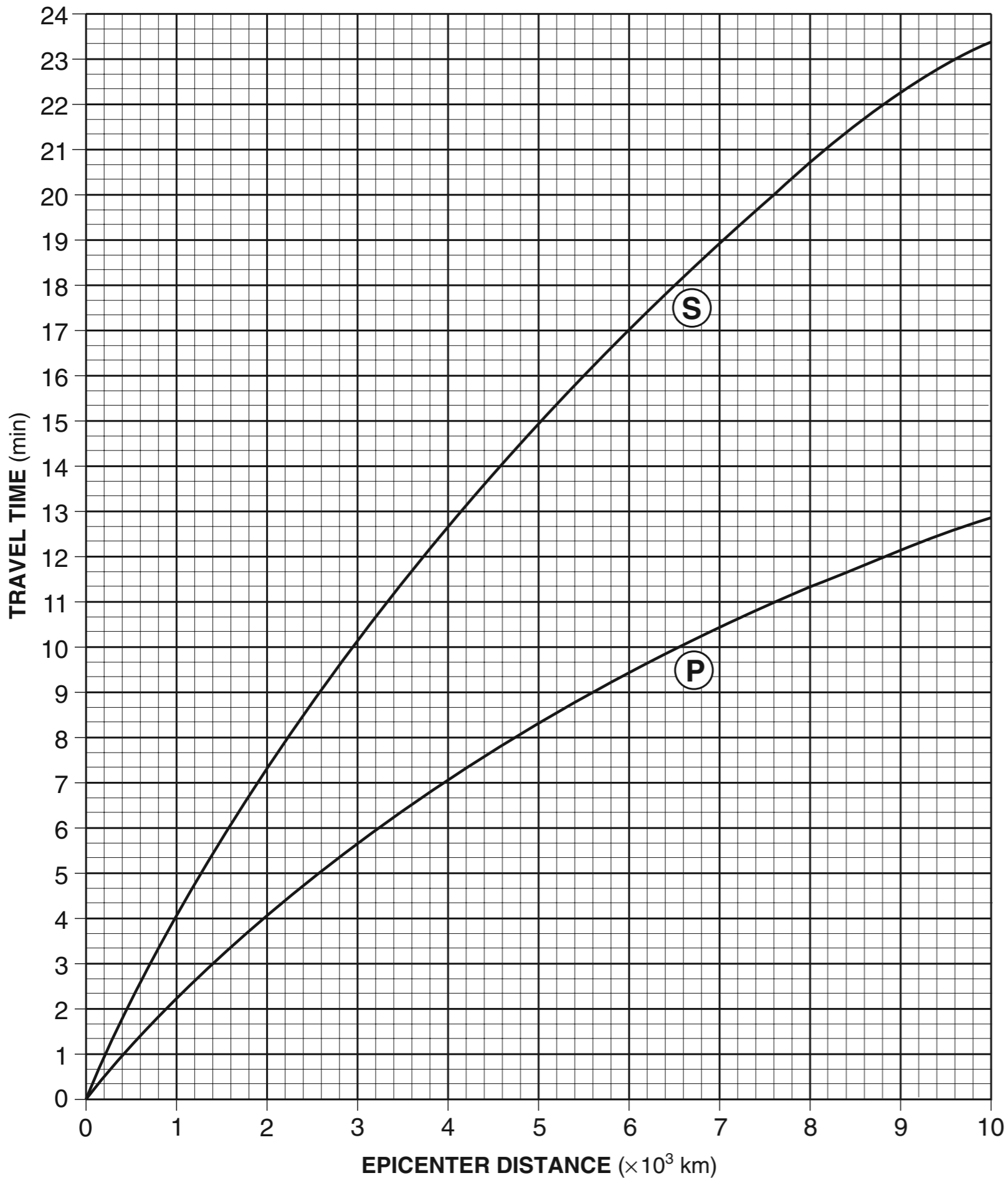
Question #1
**How far will a
P-wave travel
in 9 minutes
and 20
seconds?**

Earthquake P-Wave and S-Wave Travel Time



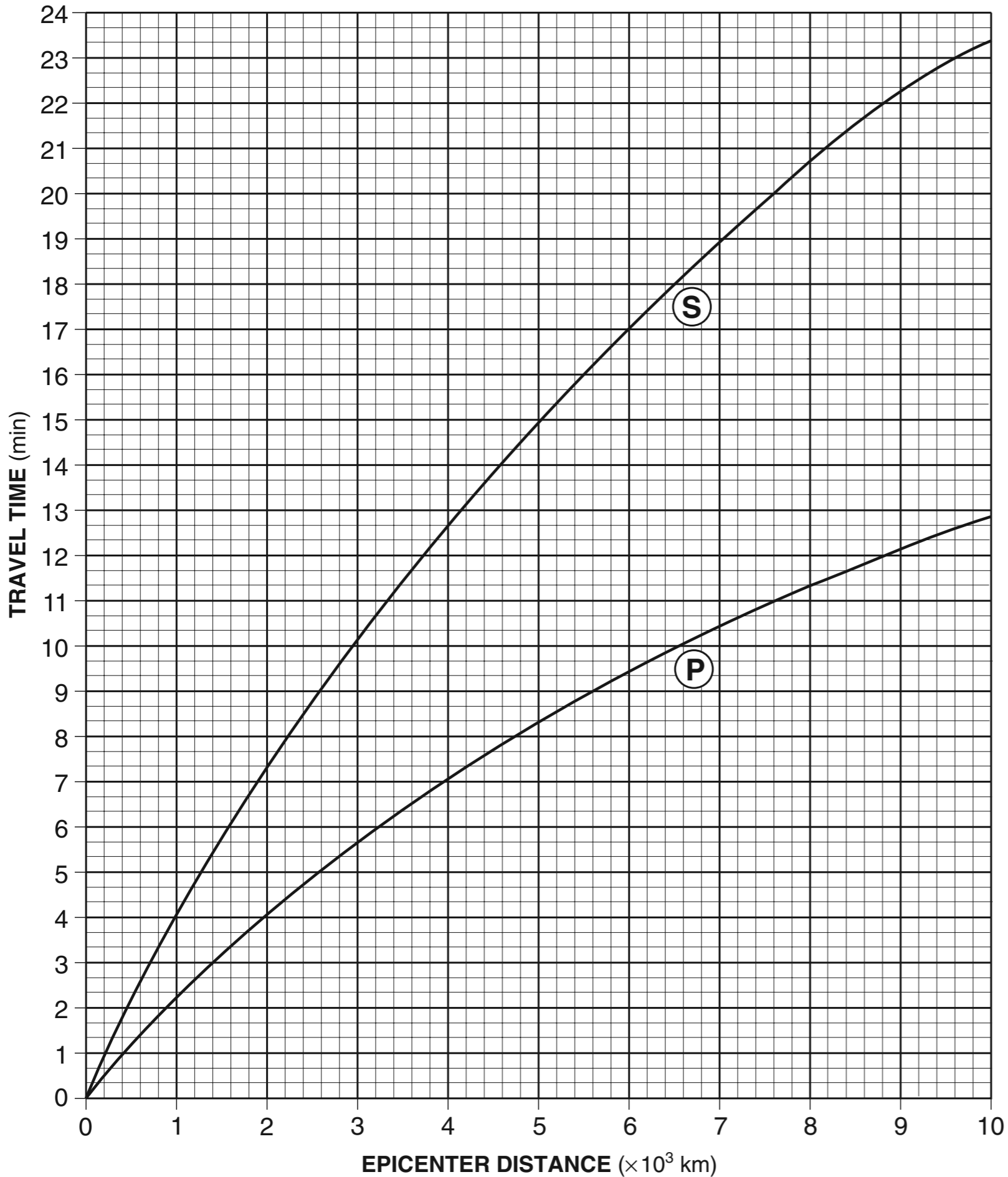
Question #2
**How far will
an S-wave
travel in 4
minutes and
40 seconds?**

Earthquake P-Wave and S-Wave Travel Time



Question #3
How long will it take an S-wave to travel 9,600 km?

Earthquake P-Wave and S-Wave Travel Time



Question #4
How long will it take a P-wave to travel 1,200 km?

Using the Chart...

Regents Questions

Question #5

A location is about 3,500 kilometers from the epicenter of an earthquake. What was the S-wave travel time to location D?

- A) 5 minutes 10 seconds
- B) 6 minutes 20 seconds
- C) 11 minutes 30 seconds
- D) 7 minutes 40 seconds

Question #6

The epicenter distance from a seismic station was calculated to be 7,600 km. Approximately how long did the P-wave take to get to that station?

- A) 11 minutes
- B) 10 minutes
- C) 12 minutes
- D) 9 minutes

Question #7

A seismic station is approximately 400 km from the epicenter of an earthquake. According to the Earth Science Reference Tables, approximately how much time did the P-wave take to travel to this station?

- A) 1 minute 40 seconds
- B) 50 seconds
- C) 5 minutes
- D) 2 seconds