

1 Dimensions



Start here 1 What do you know about this bridge?

- 1 What's it called?
- 2 Where is it?
- 3 How high is it?

Listening 2 39 Listen to part of a TV programme about the bridge. Check your answers to 1.

3 Work in pairs. Which of the following can you see in the picture?

cable deck pier pylon span

4 40 Listen to the next part of the TV programme and complete the specifications of the bridge.

Millau Bridge: specifications			
Structure	<i>Cable-stay</i>	Length of outer spans	m
Completion date	<i>December 2004</i>	Number of piers	
Material: cables and deck		Height of pylons above deck	m
Material: piers		Height of deck above water	m
Total number of spans		Length of deck	km
Length of inner spans	m	Width of deck	m

NB

BrE: metre, millimetre, centimetre.
AmE: meter, millimeter, centimeter.

NB

Don't add -s to abbreviations of units.
say: one hundred metres / kilometres; write: 100 m / 100 km

Vocabulary 5 Complete the table. Use words from the text.

Adjective	high	long	_____	wide
Noun	_____	_____	depth	_____

6 Complete the sentences with the correct word in brackets.

- 1 The _____ of the road is 6 m. (wide/width)
- 2 The river is 230 km _____. (long/length)
- 3 The sea has a _____ of 330 m. (deep/depth)
- 4 These pylons are over 80 m _____. (high/height)
- 5 These oil wells are more than 700 m _____. (deep/depth)
- 6 The total _____ of the road is about 120 km. (long/length)
- 7 The tunnel is 15 m _____. (wide/width)
- 8 The _____ of the bridge is 130 m. (high/height)

Language

How	high	is it? are they?	It's They're	2	millimetres	high.
	wide			10	centimetres	wide.
	long			100	metres	long.
	deep			1000	kilometres	deep.

Speaking 7 Make questions about the Millau Bridge. Use the table in 4.

8 Work in pairs. Ask and answer your questions in 7.

Example:

TV presenter: How long are the inner spans?

Engineer: They're 342 metres long.

Task 9 Work in pairs. Find out the specifications of your partner's bridge.

Student B. Turn to page 118.

Student A:

- 1 Ask Student B questions about the Akashi-Kaikyo Bridge. Complete your specifications chart.
- 2 Then change roles. Turn to page 114 and answer Student B's questions about the Rion-Antirion Bridge.

Akashi-Kaikyo Bridge: specifications	
Type of structure	<i>Suspension</i>
Country	
Piers (number)	
Span (length)	
Deck (above water)	
Deck (length)	
Water (max depth)	
Water at main pier (depth)	

