

## 7

## Specifications

## 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 photo?

cable deck pier pylon span

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

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

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

#### Millau Bridge: specifications

|                           |                          |                             |               |        |
|---------------------------|--------------------------|-----------------------------|---------------|--------|
| Structure                 | (1) <i>cable-stayed</i>  | Length of outer spans       | (7)           | m      |
| Completion date           | (2) <i>December 2004</i> | Number of piers             | (8)           |        |
| Material: cables and deck | (3)                      | Height of pylons above deck | (9)           | m      |
| Material: piers           | (4)                      | Height of deck above water  | (10)          | m      |
| Total number of spans     | (5)                      | Length of deck              | (11)          | km     |
| Length of inner spans     | (6)                      | m                           | Width of deck | (12) m |

**Vocabulary** 5 Complete the table.

|                  |       |       |       |       |
|------------------|-------|-------|-------|-------|
| <b>Adjective</b> | high  | long  | _____ | wide  |
| <b>Noun</b>      | _____ | _____ | depth | _____ |

## 6 Complete the sentences with the correct word in brackets.

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

**Language**

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

**Speaking** 7 Make questions about the Millau Bridge. Use the specification chart 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:

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

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

The Akashi-Kaikyo Bridge

