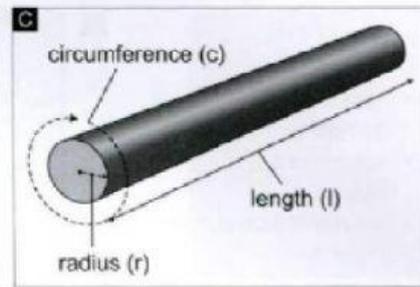
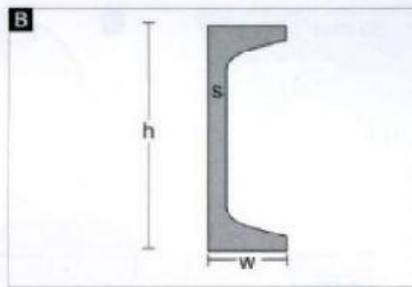
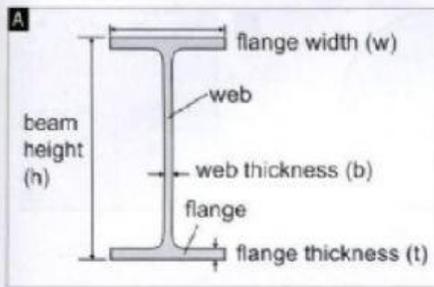


Listening 6  46 Listen to a structural engineer describing the dimensions of two beams: an I-shaped cross-section and a standard channel cross-section, and a rod. Complete these tables.



I-shaped cross-section	
Flange width:	(1) _____
Flange thickness:	(2) _____
Web thickness:	(3) _____
Beam height:	(4) _____
Area:	(5) _____

Standard channel cross-section	
Depth (h):	(6) _____
Width (w):	(7) _____
Web thickness (s):	(8) _____
Area:	(9) _____

Rod	
Radius (r):	(10) _____
Length (l):	(11) _____

Language

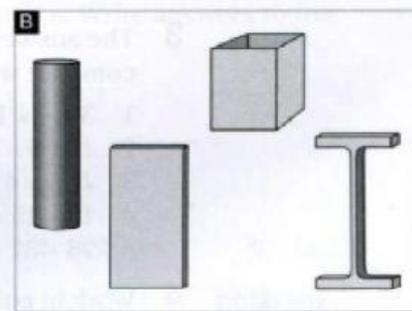
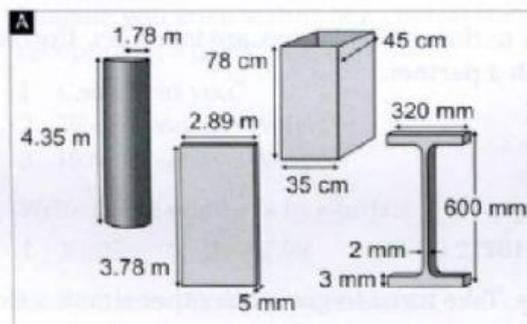
Expressions

Note how we say dimensions:	3.520 = <i>three point five two oh</i> 0.370 = <i>(nought/zero/oh) point three seven oh</i> (We do NOT say <i>three point fifty-two</i> , or <i>three point five hundred and twenty</i> .)
1 inch = approximately 25 millimetres	<i>This board is 30 × 600. = This board is 30 by 600.</i>

7 Write these dimensions in words.

- 1 2.345 2 0.146 3 35.290 4 63.38 5 3.402

Speaking 8 Work in pairs to complete these dimensions. Student A look at the information on this page. Student B look at the information on page 70.



- A: *What are the dimensions of the rod?*
B: *It's 4.35 metres long ...*
A: *What about the radius?*
B: *The radius is ...*