

Knitting needles

This task is about continuing number patterns and finding a rule.



The conversion chart below shows the diameters of various size knitting needles and the numbers of the needles in 2 different systems, English and United States. Unfortunately, baby Sarah scribbled over the table, and some of the figures can't be read.

Diameter in mm	2.0	2.4			3.6	4.0
English number	13	12			9	8
U.S. number	0	1	2			5

a) Fill in the table below to complete the 6 missing entries.

Diameter in mm	2.0	2.4	<input type="text"/>	<input type="text"/>	3.6	4.0
English number	13	12	<input type="text"/>	<input type="text"/>	9	8
U.S. number	0	1	2	<input type="text"/>	<input type="text"/>	5

b) What is the diameter of a U.S. number 7 needle? mm

c) What is the English number of a needle with diameter 5.6 mm?

d) Complete the following statement to show the rule for converting from the English number to the U.S. number.

The rule is: - English number = U.S. number

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