

EXAMPLES TO ILLUSTRATE THE USE OF THE FEARNS A7 UNIVERSAL METRIC CONVERTER

Example 1. - Convert 0.77 inches to millimetres

Turn to the conversion index on the back of the calculator and select the ringed reference number 44 for the 'in - mm' conversion. (Note that, throughout the index, the Imperial units are listed first in alphabetical order, and all S.I. units are in bold type). Then turn to the front of the calculator and set the red arrow on outside of the clear dial to the ringed reference number 44. Set the cursor over 77 on the red Imperial scale and read the required answer 19.55 on the metric scale. The decimal point is positioned by reference to the conversion factor in question, ie. 25.4, which is engraved by the side of the ringed reference number. Thus if one inch is 25.4mm then **0.77 in is 19.55mm.**

If other values are also to convert from inches to millimetres, these can all be done at the same setting by simply moving the cursor until it is over the known value on the Imperial scale, and reading the required answer on the adjacent Metric scale.

To convert from millimetres to inches, the procedure is exactly the same except that the cursor is set over the known value on the Metric scale and the answer is read on the Imperial scale.

Example 2. - Convert a velocity of 19 centimetres per second into feet per minute.

Find the ringed reference number 78 for the 'ft/min - cm/s' conversion and set the red arrow to this number. Set the cursor over the value 19 on the Metric scale and read the answer required on the adjacent Imperial scale, ie. 374. Reference to the actual conversion factor listed (ft/min - .508 cm/s) determines decimal/point position and indicates that the final answer is **37.40 ft/min.**

Example 3. - Convert a temperature of 325° F into Centigrade.

Refer directly to the double temperature conversion scale nearest the centre of the main dial front. (Temperature conversions are the only ones carried out on this scale). Use the small cursor line on the clear dial and set this over 325 on the °F scale. The required conversion is then read on the adjacent part of the °C scale, ie. **163° C.**

Using the Converter as a Circular Slide Rule for General Calculations.

Operation is basically similar to that of a conventional straight slide rule.

To multiply two numbers, set the red diamond to one of the numbers on the blue scale and the answer is read opposite the other number on the red scale.

e.g. Multiply 31 by 45 - Set the red diamond to 31 and read the value which is opposite 45 on the red scale, ie. **1395.**

To divide, set the dividing number on the red scale to the number into which it is to be divided on the blue scale and read the answer, on the blue scale, opposite the red diamond.

e.g. Divide 2.1 by 1.55 - Set 1.55 on the red scale to 2.1 on the blue scale and reading opposite the red diamond gives the answer **1.355.**

SEND FOR DETAILS OF OUR WIDE RANGE OF
TECHNICAL CALCULATORS