

METRIC SYSTEM.

15

A (Length).

The **metre** is the *principal unit*, and is used, like the yard, for measuring lengths of materials, such as cloth, and for short distances. For long distances, as along roads and railways, the **kilometre**, like the *mile*, is used.

$$1 \text{ metre} = 39.37 \text{ inches.}$$

$$1 \text{ kilometre} = 0.6214 \text{ mile.}$$

1. How many metres in a decametre?^{10.}
Hectometre? Kilometre?

2. What part of a metre is a decimetre?^{10.}
Centimetre? Millimetre?

3. Read in terms of the metre (or kilometre) and one other denomination:—

17.5 m.	41.625 m.	9.327 Km.	.1 m.
32.2 m.	54.886 m.	6.43 Km.	.01 m.
64.25 m.	29.7 Km.	5.68 Km.	.001 m.
23.62 m.	99.9 Km.	0.563 Km.	.001 Km.

4. Express in terms of a metre:—

5 m. 3 dm.	24 m. 49 mm.	2.3090 Km.
17 m. 24 cm.	54.38 Km.	27.056 Km.

5. Change:—

5747.3 m. to Km.	9471263 cm. to Km.
58.5 m. to cm.	4.8735 Km. to m.
53.35 m. to mm.	372.7575 m. to cm.

6. What is the total length of 5 pieces of cloth measuring respectively 12.6 m., 9.75 m., 26.08 m., 3.56 m., 31.5 m.?
83.49 m.

7. If the work done by two men measures 18 m. and one has done 8.75 m., how much has the other done?
9.25 m.

One decimetre = 10 centimetres = 100 millimetres.

