Aufgabenblatt: Die Länge als physikalische Größe (Teil II)

1 Kilometer = 1km	1 Meter = 1m	1 Dezimeter = 1dm
1 Zentimeter = 1cm	1 Millimeter = 1mm	1 Mikrometer = 1µ

Umrechnungen

	km	m	dm	cm	mm
km	1	$0,001 = 10^{-3}$	$0,0001 = 10^{-4}$	$0,00001 = 10^{-5}$	$0,000001 = 10^{-6}$
m	$1000 = 10^{3}$	1	$0,1 = 10^{-1}$	$0,01 = 10^{-2}$	$0,001 = 10^{-3}$
dm	$10.000 = 10^{4}$	$10 = 10^{1}$	1	$0,1 = 10^{-1}$	$0,01 = 10^{-2}$
cm	$100.000 = 10^{5}$	$100 = 10^{2}$	$10 = 10^{1}$	1	$0,1 = 10^{-1}$
mm	$1000.000 = 10^{6}$	$1000 = 10^{3}$	$100 = 10^{2}$	$10 = 10^{1}$	1

1. Rechne alle Längenangaben in Zentimeter um.

3.1
12km = _____ cm   3,4km = _____ cm   0,5km = _____ cm
7,03km = _____ cm   0,123km = _____ cm   0,045km = _____ cm

3.2
120m = _____ cm   9m = _____ cm   0,5m = _____ cm
6,5m = _____ cm   0,1m = _____ cm   16m = _____ cm

3.3
1200dm = _____ cm   300dm = _____ cm   25dm = _____ cm
3dm = _____ cm   0,1dm = _____ cm   16000dm = _____ cm

3.4
20000mm = _____ cm   7000mm = _____ cm   300mm = _____ cm
25mm = _____ cm   7mm = _____ cm   650000mm = _____ cm

2. Rechne alle Längenangaben in Millimeter um.

4.1
12km = _____ mm   3,4km = _____ mm   0,5km = _____ mm
7,03km = _____ mm   0,123km = _____ mm   0,04km = _____ mm

4.2
120m = _____ mm   9m = _____ mm   0,5m = _____ mm
6,5m = _____ mm   0,1m = _____ mm   4200m = _____ mm

4.3
1200dm = _____ mm   300dm = _____ mm   25dm = _____ mm
3dm = _____ mm   0,1dm = _____ mm   11000dm = _____ mm

4.4
20000cm = _____ mm   7000cm = _____ mm   300cm = _____ mm
25cm = _____ mm   7cm = _____ mm   0,02cm = _____ mm