

Jednotky délky.

Základní jednotkou délky je metr (1 m). Pro větší délky používáme tisícnásobek metru – kilometr (1 km). Pro malé délky používáme díly metru: decimetr, centimetr, milimetr, případně mikrometr (nanometr a další).

kilometr	1 km =	1 000	m	
metr		1	m	
decimetr	1 dm =	0,1	m	desetina metru
centimetr	1 cm =	0,01	m	desetina decimetru
milimetr	1 mm =	0,001	m	desetina centimetru
mikrometr	1 μ m =	0,000001	m	tisícina metru
nanometr	1 nm =	0,000000001	m	tisícina milimetru
				tisícina mikrometru

Př.

$$1 \text{ m} = 10 \text{ dm} = 100 \text{ cm} = 1000 \text{ mm} \quad 1 \text{ mm} = 1000 \mu\text{m} \quad 1 \mu\text{m} = 1000 \text{ nm}$$

$$0,51 \text{ km} = 510 \text{ m} \quad 3 \text{ 152,1 mm} = 3,1521 \text{ m} = 0,0031521 \text{ km}$$

$$35 \text{ 028,033 m} = 35 \text{ km } 28 \text{ m } 3 \text{ cm } 3 \text{ mm}$$

Převeďte jednotky:

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|----|-------------|------|----|-------------|------|
| A) | 0,012 m = | (cm) | B) | 470 dm = | (m) |
| | 2000 mm = | (m) | | 65 cm = | (m) |
| | 0,9 m = | (dm) | | 0,0051 m = | (mm) |
| | 0,15 km = | (m) | | 0,0046 km = | (m) |
| | 60 cm = | (m) | | 0,2 m = | (cm) |
| C) | 0,002 m = | (dm) | D) | 12000 mm = | (m) |
| | 10 cm = | (m) | | 2500 dm = | (m) |
| | 870 cm = | (m) | | 0,2 m = | (cm) |
| | 0,58 m = | (mm) | | 2400 m = | (km) |
| | 2300 cm = | (m) | | 0,0028 m = | (mm) |
| E) | 0,098 dm = | (mm) | F) | 650 cm = | (dm) |
| | 6000 mm = | (dm) | | 0,006 km = | (dm) |
| | 700000 cm = | (km) | | 0,5 dm = | (cm) |
| | 0,5 km = | (dm) | | 0,0008 km = | (cm) |
| | 174 dm = | (mm) | | 0,687 cm = | (mm) |
| G) | 1m 4dm = | (dm) | H) | 4dm 2cm = | (dm) |
| | 50cm 3mm = | (mm) | | 80m 12cm = | (dm) |
| | 2km 250m = | (m) | | 6km 38m = | (m) |
| | 6dm 2mm = | (mm) | | 5dm 6cm = | (mm) |
| | 46m 80cm = | (m) | | 22m 5cm = | (cm) |

Na místo teček запиšte příslušné **přirozené** číslo:

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|----|------------|------|----|------|----|------|------------|------|-------------|------|----|------|----|--------|----|
| I) | 0,054 m = | | cm | | mm | J) | 2,05 m = | | dm | | cm | | | | |
| | 15,59 dm = | | cm | | mm | | 23,8 dm = | | m | | cm | | | | |
| | 352,02 m = | | km | | m | | cm | | 12,15 m = | | m | | dm | ... cm | |
| | 0,02 dm = | | cm | | mm | | 89,57 dm = | | m | | dm | | mm | | |
| | 68,2 cm = | | dm | | cm | | mm | | 353,04 dm = | | m | | dm | | mm |