



Name: _____

Prefixes

- Some examples

$$1000 \text{ mm} = \underline{1} \text{ m}$$

$$1 \text{ Gb} = \underline{1000} \text{ Mb} \quad (1 \times 10^3 \text{ Mb})$$

$$25 \text{ cm} = \underline{250} \text{ mm} \quad (2.5 \times 10^2 \text{ mm})$$

$$25 \text{ cm} = \underline{0.25} \text{ m} \quad (2.5 \times 10^{-2} \text{ m})$$

	Fill in blank	In Scientific notation and correct SI unit
2000 m	= <u>2</u> km	$2 \times 10^3 \text{ m}$
0.5 m	= <u>50</u> cm	$5 \times 10^{-1} \text{ m}$
1 μm	= <u>0.000001</u> m	$1 \times 10^{-6} \text{ m}$
1,000,000,000 nm	= <u>1</u> m	$1 \times 10^0 \text{ m}$
2 kg	= <u>200,000</u> cg	$2 \times 10^0 \text{ kg}$
10 cm	= <u>100</u> mm	$1 \times 10^{-1} \text{ m}$
2 Gb	= <u>2000</u> Mb	$2 \times 10^9 \text{ b}$
25 mm	= <u>2.5</u> cm	$2.5 \times 10^{-2} \text{ m}$
3.5 m	= <u>350</u> cm	$3.5 \times 10^0 \text{ m}$
2000 m	= <u>2</u> km	$2 \times 10^3 \text{ m}$
0.5 km	= <u>500</u> m	$5 \times 10^2 \text{ m}$
64 kb	= <u>64000</u> b	$6.4 \times 10^4 \text{ b}$
40 Mb	= <u>0.04</u> Gb	$4 \times 10^7 \text{ b}$
35 km	= <u>35000</u> m	$3.5 \times 10^4 \text{ m}$
500 nm	= <u>0.5</u> μm	$5 \times 10^{-7} \text{ m}$
50 g	= <u>50000</u> mg	$5 \times 10^{-2} \text{ kg}$
0.5 mg	= <u>500</u> μg	$5 \times 10^{-7} \text{ kg}$
345 g	= <u>0.345</u> kg	$3.45 \times 10^{-1} \text{ kg}$
2.5 cm	= <u>25</u> mm	$2.5 \times 10^{-2} \text{ m}$
0.35 m	= <u>350</u> mm	$3.5 \times 10^{-1} \text{ m}$