

LEARNING OUTCOMES

Level

Recall the prefix symbols and values of milli, centi, kilo, mega, giga and tera

Level 5

> Convert between unit prefixes

Level 6

Explain why unit prefixes are used in everyday life

Låt

NAME...

- •3 units for time
- •3 units for distance
- •3 units for speed

KILO!

- What's the difference between a kilometre and a metre?
- What's the difference between a kilogram and a gram?
- Can you think of any other words that begin with kilo?

KILO MEANS 1000!





So when you say that Villagio is 14 kilometres away from school, what you're really saying is that Villagio is 14 thousand metres away from school

UNIT PREFIXES

Lát

- Prefix means something that goes before a word
- Eg. Grandfather means your parent's father
- In Physics, we use prefixes to change the value of numbers
- Eg. Kilometre means one thousand metres

What other prefixes could go in front of the word 'metre'?

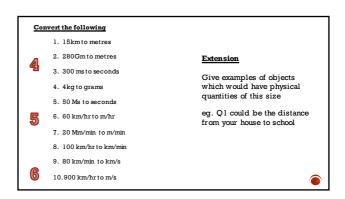
2 minutes: Think, pair, share

COMPUTER STORAGE



- You've probably heard of the byte, which is the unit of information storage
- Have you heard of kilobyte?
- Can you put any other prefixes in front of the word byte?
- 1 min: Individual

Prefix	Symbol		Numerical value
Milli	m	Thousandth	0.001
Centi	С	Hundredth	0.01
Kilo	k	Thousand	1000
Mega	M	Million	1 000 000
Giga	G	Billion	1 000 000 000
Tera	T	Trillion	1 000 000 000 000



PLENARY

- Write a two sentence summary which explains why Physicists use prefixes
- •Share your ideas with the class

LEARNING OUTCOMES



Level 5

Convert between unit prefixes



Explain why unit prefixes are used in everyday life