



LEARNING OUTCOMES

Level 4
 > Recall ten different units

Level 5
 > Give an example of quantities with more than one possible unit

Level 6
 > Relate the choice of unit to the size of the number

Match the blue words to the green words!

Decibels	Temperature	Metres
	Force	
Minutes	Time	Newtons
	Area	
Amps	Volume	Kilograms
	Distance	
Metres squared	Noise Level	Degrees celcius
	Mass	
Kilometres per hour	Current	Centimetres cubed
	Speed	

MORE THAN ONE UNIT

A student says that kilometers per hour is the only legit unit for speed.

4 Do you agree?

5 Why or why not?

What other units can you think of?

Speed → Kilometres per hour

Distance	→	Metres
Mass	→	Kilograms
Speed	→	Kilometres per hour
Temperature	→	Degrees celcius
Time	→	Minutes
Area	→	Metres squared
Volume	→	Centimetres cubed

Can you think of more units for each green physical quantity?
 Add as many as you can to your notes

WHY DO WE USE DIFFERENT UNITS?

- Take a small piece of paper
- In pairs, brainstorm the reasons why people use different units and write your reason on the piece of paper
- Scrunch it up
- Throw it in your teacher's hat!



WHY DO WE USE DIFFERENT UNITS?

- We do this to make numbers easier to use!
- How long is the school day?
- 1 minute: Think, pair, share



The school day is around 6 hours

- 4 ▪ How many minutes is this?
- 5 ▪ How many seconds is this?
- How many weeks is this?
- 6 ▪ How many years is this?
- How many centuries is this?



EXTENSION

6

- If a car is travelling along Al Shamal at 80 km/hr, what is its speed in:
 - Miles per hour
 - Metres per second
- (1 mile = 1.6km)



APPROPRIATE UNITS

- A car drives from Doha to Dubai and measures the distance travelled.
- What is the most appropriate unit to use for the measurement?
- Why did you choose this unit?



APPROPRIATE UNITS

- A person stands on a weighing scale.
- What is the most appropriate unit to use for the measurement?
- Why did you choose this unit?



APPROPRIATE UNITS

- The speed of a plane is measured
- What is the most appropriate unit to use for the measurement?
- Why did you choose this unit?



APPROPRIATE UNITS

- The speed of a snail is measured
- What is the most appropriate unit to use for the measurement?
- Why did you choose this unit?



APPROPRIATE UNITS

- The speed of an asteroid is measured
- What is the most appropriate unit to use for the measurement?
- Why did you choose this unit?



UNIT GAME

- Pair up
- Person A says a physical quantity
- Person B replies with a correct unit
- Continue until person B gets the wrong unit
- Record their winning streak (number of correct answers)
- Swap roles and repeat
- Highest winning streak wins after 5 minutes



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