Monday 4th May 2020   Maths Y4

Good morning Year 4s. Today we are starting a new maths topic. We are learning to convert units of measure. Do the Pre-learning task and then try the Practise activities on the next page. If you are managing them well you can move on to the Mastery tasks.

Name	Summer 1: Week 4				
Objective: Measures	**Length/ Mass/ Capacity/ Time:** Convert between different units of measure (e.g. km to m; hr to min)				
How many seconds are there in each minute?			How many seconds are there in 2 and a half minutes?		
How many cm are there in one metre?					
How many grams are there in 1Kg?			How many metres did Frank run if he ran to his next village which is 2.5Km away?		
How many ml are there in 1 litre?					
How many minutes are there in 1 day?			How many minutes are there during lunch time which lasts for 1 hour and 15 minutes?		
How many metres are there in 1 metre?					
How many mm are there in 1 cm.?			How many grams are there in 3 Kg?		

Facts you need to learn and remember:

Length: How many millimetres in a centimetre (10)/how many centimetres in a metre (100)/how many metres in a kilometre (1000) **Mass:** How many grams in a kilogram (1000) **Capacity:** How many millilitres in a litre (1000)   **Time:** How many seconds in a minute (60)/ How many minutes in an hour (60)/ How many hours in a day (24)/ How many months in a year (12)/ How many days in a year (365 or 366 in a leap year)/ Days in a month – remember the rhyme

Pencil and Paper Activities
Examples:

Fill in the missing numbers:

Kg	grams		Km	metres		Litres	ml
3.2				1750		9	
	2000		4.1				3200
4.4				3200		5.1	
	2100		6.5				6500
6.1			5.8			7.7	

How many mm are there in 5cm?
How many mm are there in 8.5cm?
How many cm are there in 8.2 metres?

How many minutes have passed between these two times?

How many seconds are there in 3 minutes and 15 seconds?

It takes 3 minutes to walk to the bus stop and the bus journey lasts 5 minutes and 30 seconds.
How many seconds has passed since I started to walk to the bus stop?
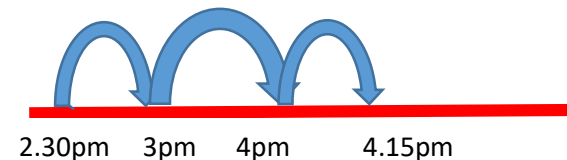
30 days hath September, April, June and November.

All the rest have 31, except February

which has 28 days clear

and 29 each leap year.

Remember to use a number line to help you to calculate time intervals

30 mins + 60 mins + 15 mins =

2.30pm   3pm   4pm   4.15pm

If a train leaves Northallerton Station at 11.30am and arrives at Liverpool Lime Street Station at 1.45pm, how many minutes long is the journey?

If pupils have mastered this objective they will be able to complete these activities independently:

Training Routine

Hannah is a 800 metres runner. During a typical week she will have run 5 races of 800 metres and she will have trained by running 5 Km per day for 3 days and 10Km per day for 2 days.

How many Km will Hannah have run in the week?

Climbing Stairs

When Jamila has climbed 8 stairs he is 2 metres off the ground.

Each step measures the same.

How high is each step?

How many steps will he need to climb before he is 5 metres off the ground?

Toy Box

Joseph puts all his wooden bricks into his toy box.

Each brick weighs the same.

The toy box weighs 2.5Kg when it is empty.

After he has placed 10 bricks in the toy box, the box weighs 7.5Kg.

How much does each brick weigh?

Hannah's Training Runs

Below is a table to show how fast Hannah has run 800 metres during her training.

Day	Time
Sunday	2 min 23 secs
Monday	2 min 35 secs
Tuesday	2 min 55 secs
Wednesday	3 min 01 secs
Thursday	2 min 34 secs
Friday	2min 21 secs
Saturday	2 min 11 secs

Which day did she run the fastest?

How many seconds did she take to run the 800 metres on Friday?

What is the difference, in seconds, between her time during her fastest run and her slowest run?

Give a reason as to why Hannah had a very slow run on Wednesday.