Tuesday 24th March – answer these questions and then work through the rest of the activities. Remember, what do I notice? What do I know? Where can I start?

1. What does 'kilo' mean when used at the start of a word?
2. How would you convert a fraction of a kilometre to metres? (write the calculation)
3. What is the same and what is different about converting from kg to g and km to m?

Complete the stem sentences:

There are _____ grams in ____ kilograms.
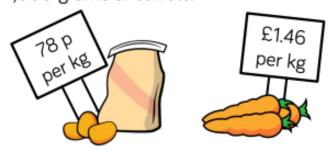
There are _____ metres in ____ kilometres.

Complete the missing information:

$\frac{1}{10}$ kilogram = ☐ grams $\frac{3}{10}$ km = ☐ metres

7 kg + $\frac{1}{4}$ kg = ☐ g   12 km + ☐ km = 12,500 m

Complete this reasoning problem:

Amir buys 2,500 grams of potatoes and 2,000 grams of carrots.

78 p per kg

£1.46 per kg

He pays with a £5 note.
How much change does he get?

Dive Deeper: Altogether on Monday and Tuesday I ran $3\frac{1}{2}$ km. On neither day did I run a whole number of km.
Suggest how far I ran on Monday and how far on Tuesday.

On Wednesday I ran some km and my sister ran $1\frac{1}{6}$ km further than I did. Altogether we ran $4\frac{1}{2}$ km.

How far did I run on Wednesday?