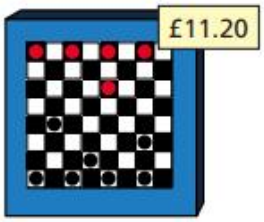
Friday

26.06.2020

Good morning Longboats, how are you today?

Starter

Teddy is working out the total cost of these items.



Here are his workings.

$$\begin{array}{r} 5 \cdot 7\ 5 \\ +\ 1\ 1 \cdot 2\ 0 \\ \hline 6\ 8 \cdot 7\ 0 \\ \hline \end{array}$$

Can you explain what mistake Teddy has made? What should his answer be?

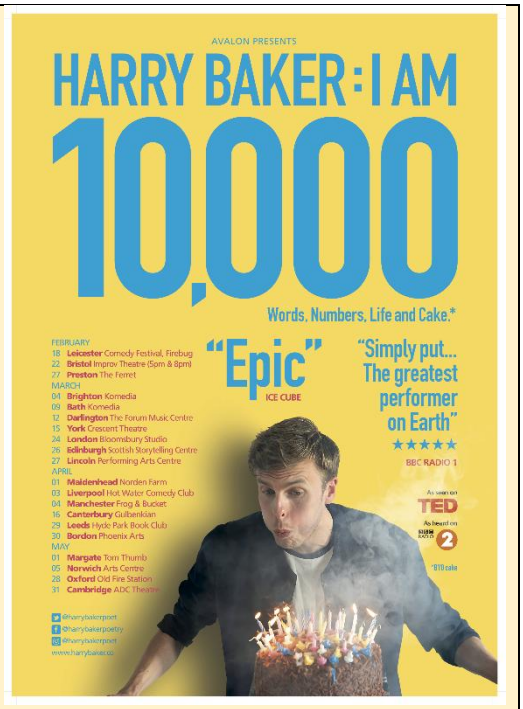
Main Activity

This is our last lesson about time before we move onto a new topic so we're going to think more about elapsed time – that's time that has passed. Pick one of these activities to do. If you have time, you could do more than one.

We know that there are 60 seconds in a minute and 60 minutes in an hour. We know that there are 24 hours in a day. Can you use deriving, partitioning or column method to work out how many seconds make up one whole day?

Hint – make sure you work systematically, show each step clearly and check your answer to make sure it is definitely correct. A great piece of work will use written explanations or diagrams as proof

This is Harry Baker. He's a poet and a comedian and he wrote a show all about his 10,000th birthday. He counted it in **days,** instead of years. Harry turned 10,000 on August 5th 2019. Can you work out how old he really is, in years?



Some hints…

1. *Using bus stop method is not going to help you. There are much easier ways to work it out!*

2. Start by creating some estimates and then see if they could be right.

3. Find some numbers that will help you. How many days in 2 years? 10 years? 50 years? Get as close as you can and then adjust.

*4 If you want to be **really** precise, then you can include the leap years in your calculations by counting each year as 365.5 days.*

Can you work out how many days old you are? You will need to multiply your age by 365 (or 365.25 if you want to be super-accurate).

Then, work out how many days it has been since your birthday (It might help to use a number line or a calendar to help you add up).

Add your two totals together (the number of days in your age and the number of days since your birthday) Well done!! You know how many days old you are today!