

Diving into Mastery



Comparison, Sum and Difference

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Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



Diving



Deeper



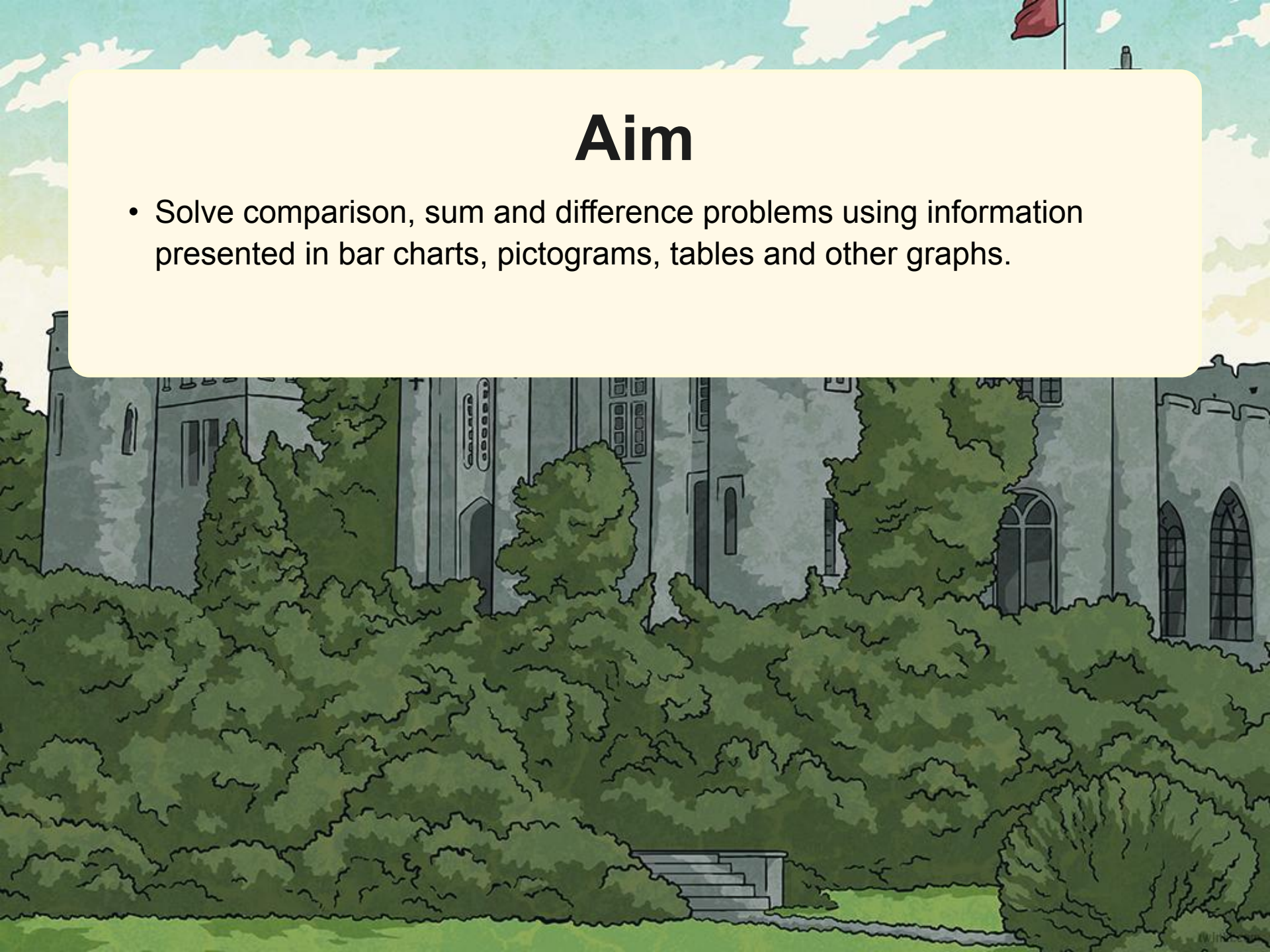
Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

Aim

- Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

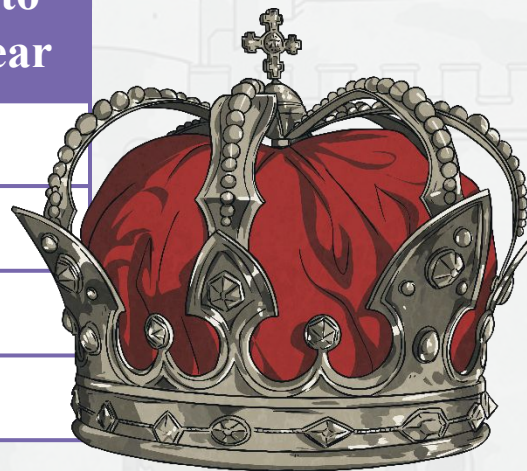


Comparison, Sum and Difference

Diving



King or Queen	Length of Reign to Nearest Whole Year
Edward VII	9
George V	26
Edward VIII	1
George VI	15






















How much longer did Edward VII rule than Edward VIII?

8 years

What is the sum of the length of reigns by kings named George?

41



King or Queen	Length of reign  = 2 years
Aethelstan	      
Edmund I	   
Eadred	    
Eadwig	 

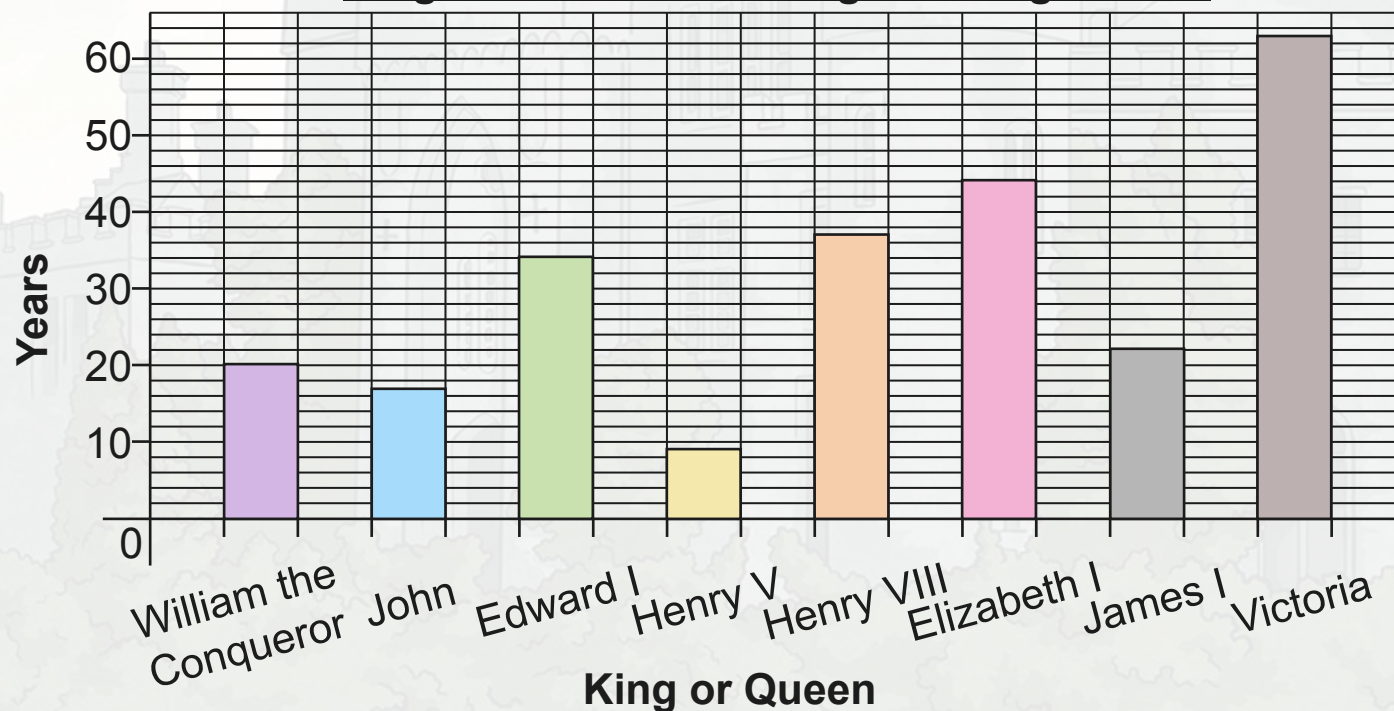
Edmund I ruled for half the time of Aethelstan. How would we show this on the pictogram?

What is the difference between the longest and shortest reign shown?

10 years



**A Bar Chart to Show How Many Years Significant
Kings and Queens of England Reigned For**



True or False? Victoria ruled for more than twice as long as Henry VIII.

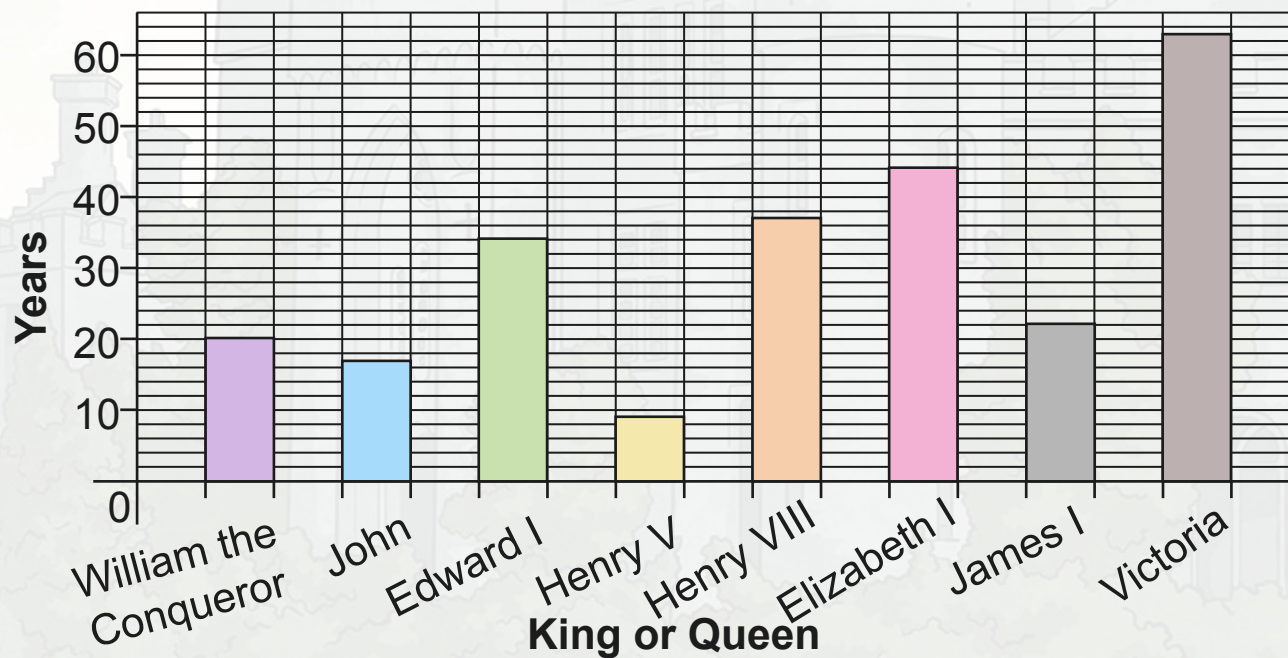
False

Comparison, Sum and Difference

Deeper



A Bar Chart to Show How Many Years Significant Kings and Queens of England Reigned For



"James I ruled for 21 years."

The years go up in twos not ones.

"The male rulers reigned for 47 years."

I haven't **combined** the reigns of all kings.

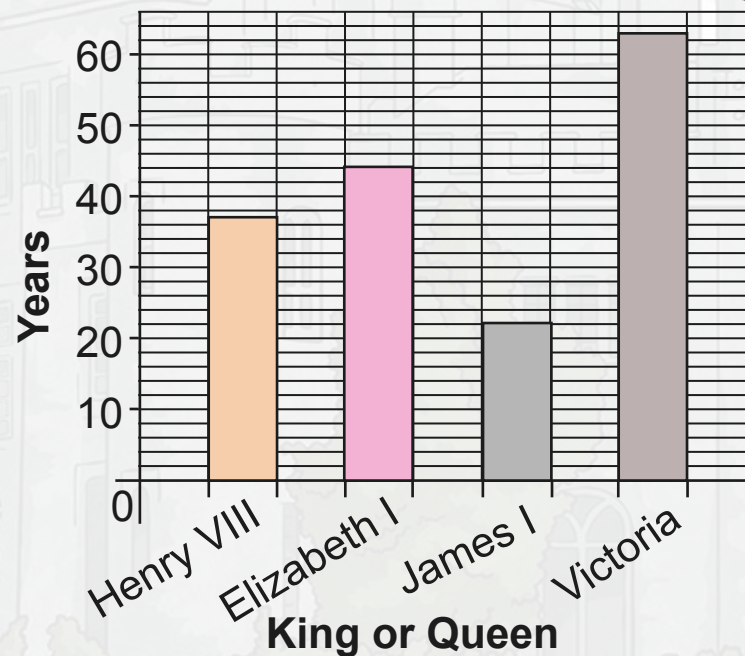
What mistakes have I made?

Measuring Angles in Degrees

Deepest



King or Queen	Length of Reign in Years
William the Conqueror	20
John	17
Edward I	34
Henry V	9

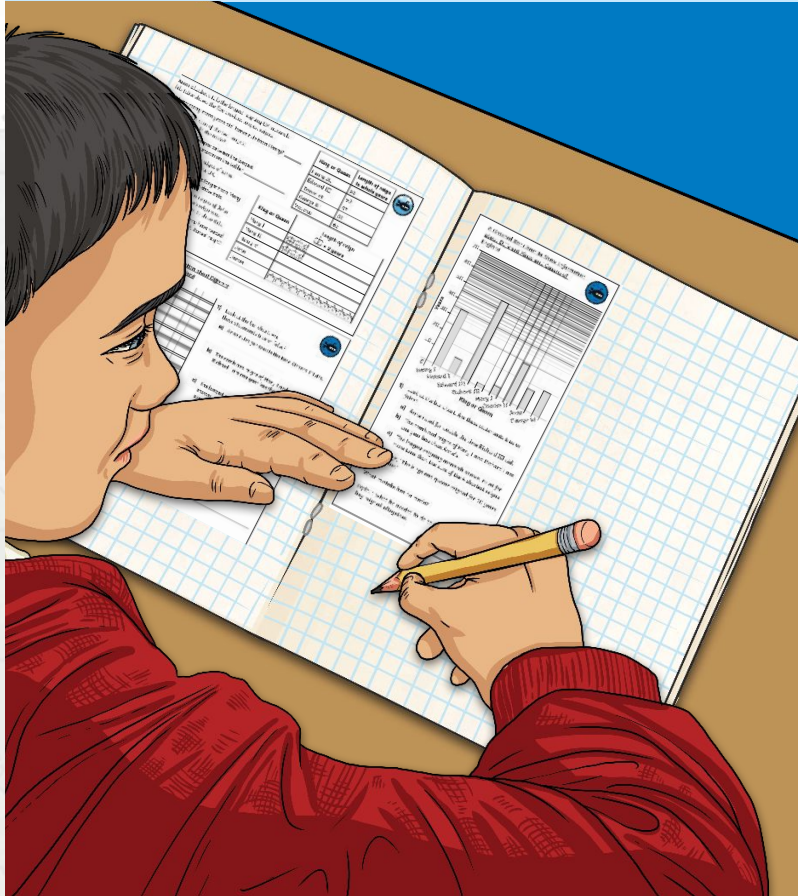


Henry III reigned for 7 years fewer than the longest ruling monarch shown. How long did he reign for?

56 years

Comparison, Sum and Difference

Dive in by completing your own activity!



Look at the pictogram and bar chart.

King	Length of reign in whole years
Edward V of England	4
Swegen Forkbeard of England	10
Lady Jane Grey	9

1) Look at both the pictogram and bar chart.

- Which monarch reigned for 4 years?
- What is the difference in reigns between the two longest reigns shown in the table?
- What is the sum of the two longest reigns shown in the table?

2) Present all the data together in a bar chart. Explain why you have chosen this.

3) Add the following information:

- Lulach ruled for 9 days for 3 years.
- Dafydd ap Gruffydd ruled for 10 years.

1) Queen Elizabeth II is the longest reigning UK monarch. This table shows the five previous longest reigns.

King or Queen	Length of Reign in Whole Years
Henry III	56
Edward III	50
James VI	57
George III	59
Victoria	63

2) This pictogram shows the reigns of some of the kings and queens of the UK.

King or Queen	Length of Reign in Whole Years
Mary I	5
Mary II	2
Henry V	1
John	1
James I	1

3) Look at the bar chart: Are these statements true or false?

- Anne ruled for double the time Richard III did.
- The combined reigns of Mary I and Richard I are one year shorter than Anne's.
- The longest reigning monarch shown ruled for more than the sum of the 4 shortest reigns.

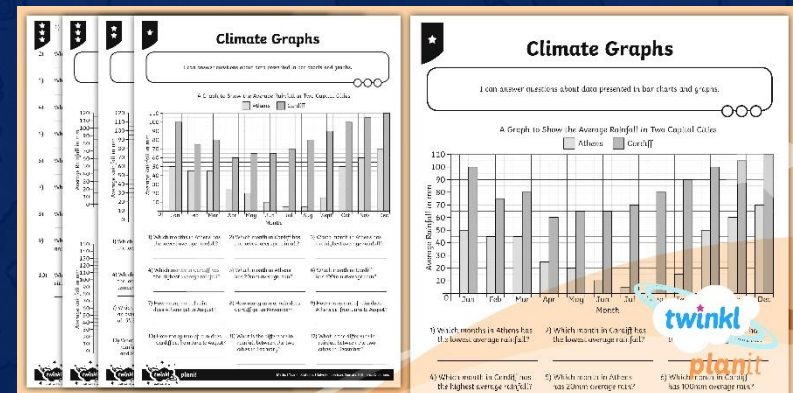
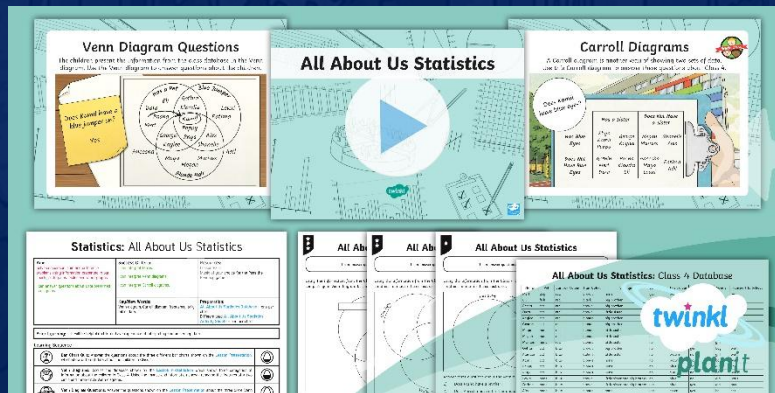
2) Jack says, "The kings and queens reigned for 50 years altogether." What mistake has he made?

Explain what he needed to do to work out how long they reigned altogether.

Need Planning to Complement this National Curriculum

Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

For more planning resources to support this aim, [click here](#).



Twinkl PlanIt is our award-winning scheme of work with over 4000 resources.





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