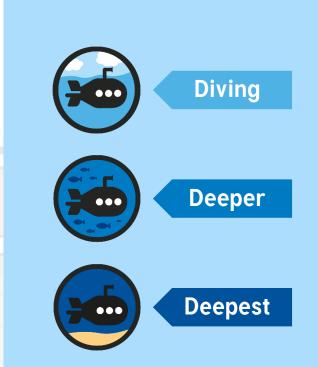


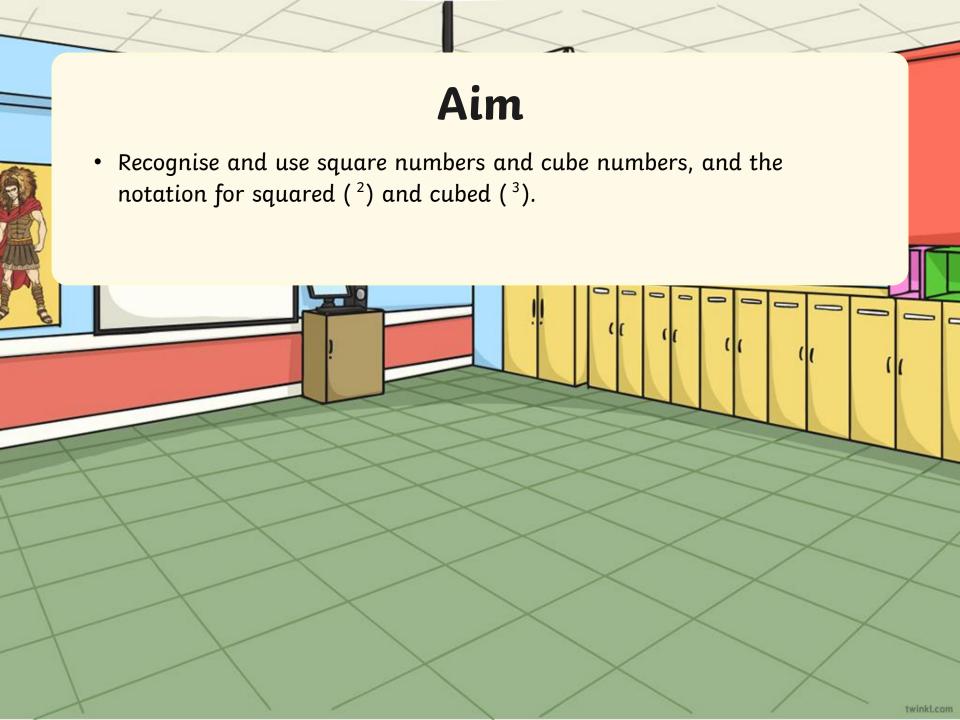
Diving into Mastery Guidance for Educators

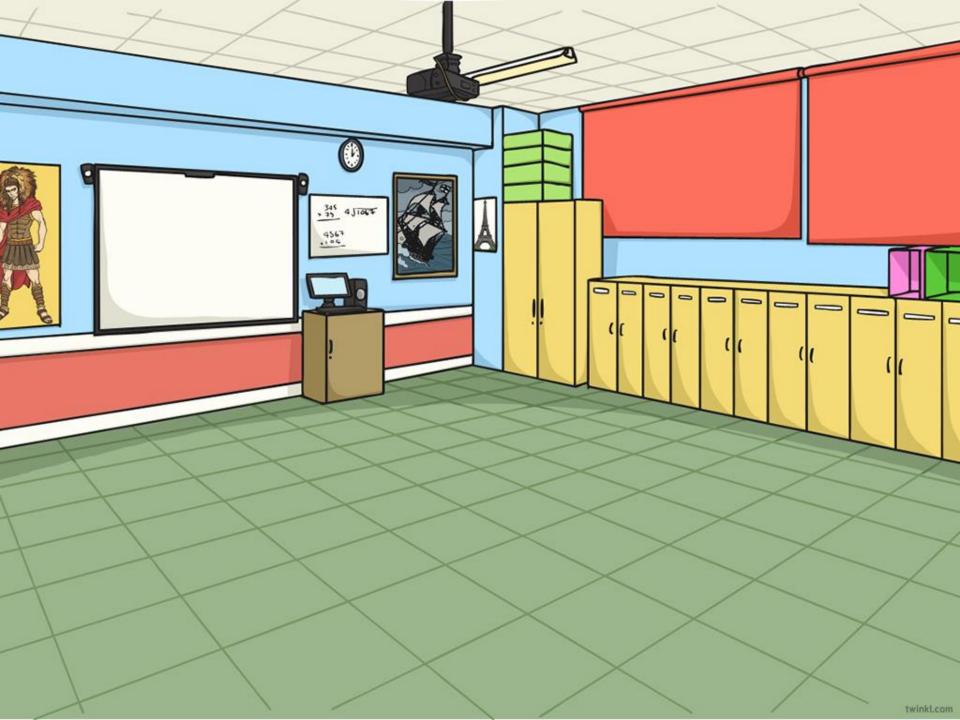
Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



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.





Cube Numbers

Diving

Complete the table by giving the cube numbers shown by each representation. In the blank boxes, use the <, > and = symbols to compare the numbers.

		29		
6 ³				93
216	=		<	729
		216		
		8 ³		10 × 10 × 10
	<	512	<	1000
8				

Cube Numbers Deeper Arsethofseistabensehusenbeersfullset into this Venn diagram. My Venn diagram contains a number which is both a square number and a cube number. ruise. Numbers with True. 64 is both a square of cube number or n number and a cube number. on the diagram but Cube Numbers Multiples of 4 36 27 125 64 16

Cube Numbers

Deepest



Read the statements carefully to help you work out which cube number is represented by each of the letters.

Α	В	С	D	E
125	343	512	1000	1

 10^3 is the greatest number.

Only one of these cube numbers has a single digit.

B starts and ends with the same digit.

A and C both have a 2 as one of their digits.

D and E have the same digit sum.

E is the smallest possible cube number.

The greatest and smallest numbers are next to each other.

The numbers A to D are ordered in size from smallest to greatest.

A and C have the same digit sum.

Cube Numbers

Dive in by completing your own activity!

