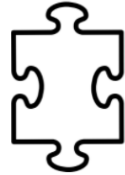


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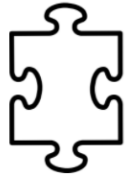


A resource to support the **HIAS Scheme of Learning for Mathematics**; knowledge recall and retrieval; and skills practice.

Unit 8.1

HIAS Maths Team
September 2021
Final version

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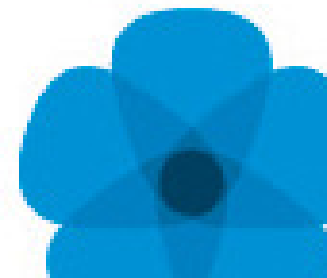
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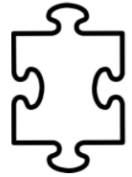
Overview:

- This document contains a set of connected low stakes questions to support knowledge recall and retrieval.

Points to consider when using this resource

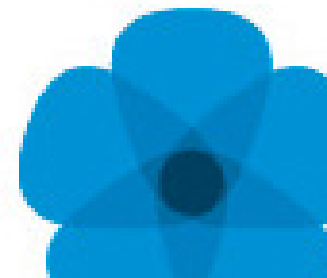
- Teachers should review current learning within a unit of work and construct or adapt sets of questions that are relevant to the pupils.
- Connect4Maths is intended to be a daily, or regular, strategy that enables pupils to see connections across different areas of maths and to practise a range of skills, recalling known facts and using prior knowledge and understanding.
- Questions can be completed independently or collaboratively.
- Teachers should model solutions as appropriate and use pupil responses to inform next steps in their teaching

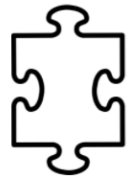




Connect4Maths

Cognitive strategies to support embedding K&U





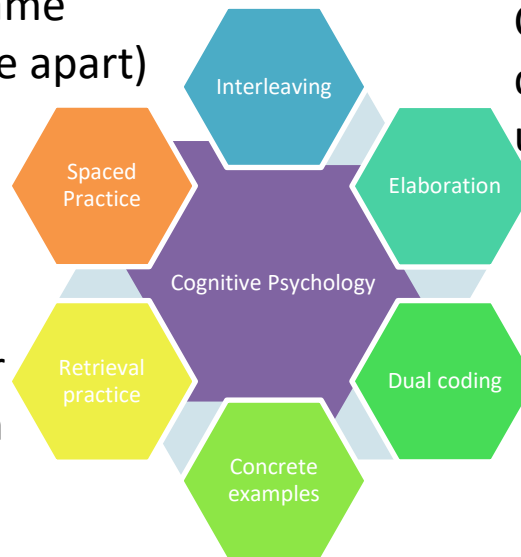
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Cognitive strategies to support embedding K&U

Tasks that contain a variety of different maths topics

Tasks that expose students to the same information at different times (space apart)

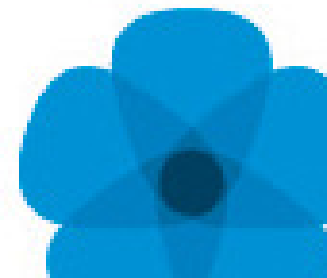
Coding the same information in different ways to deepen the understanding of structure



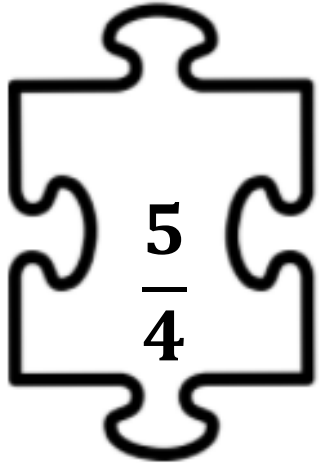
Tasks that offer the opportunity for students to recall information from long-term memory

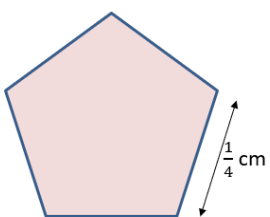
Verbal and visual representations to prompt thinking and memory

Real-life or relevant contexts for a piece of mathematics



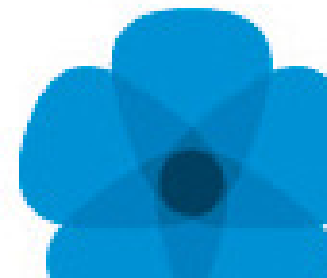
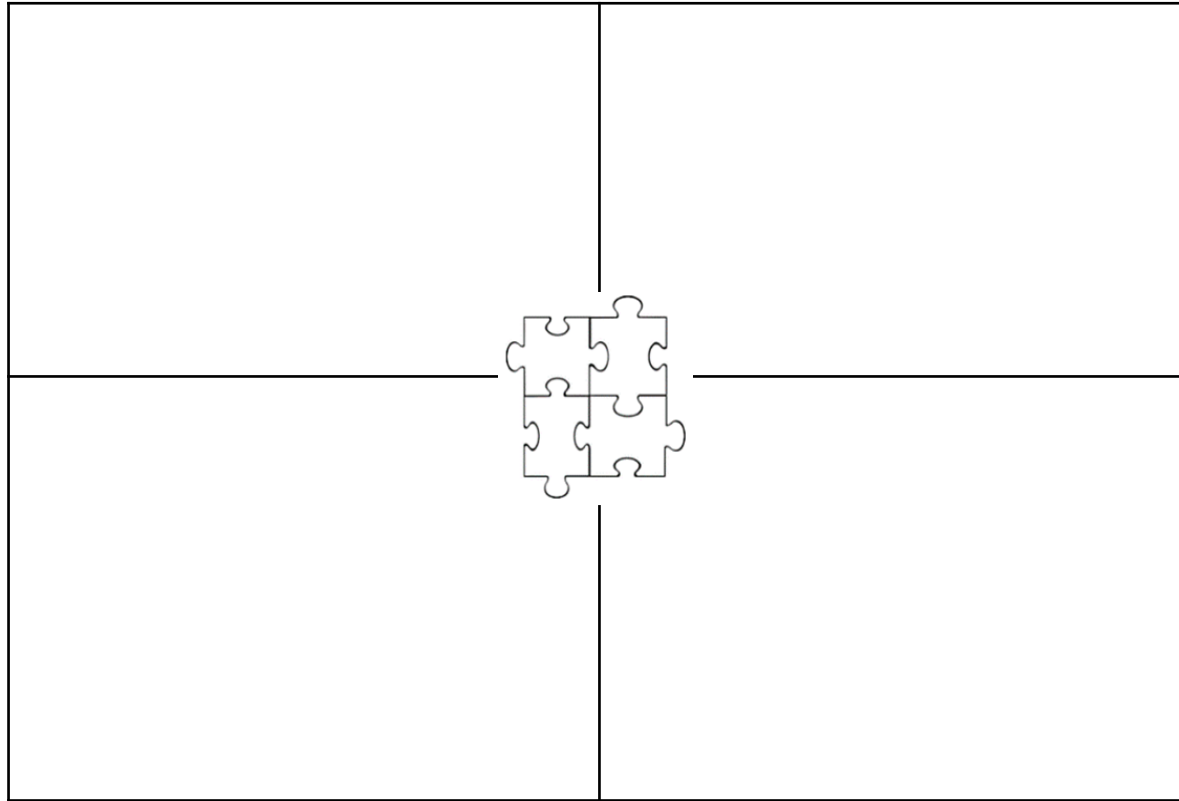
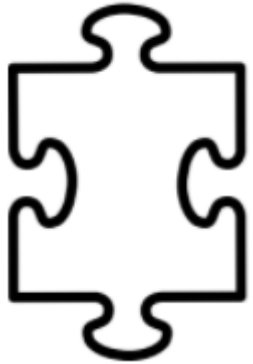
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$\frac{5}{4} + \boxed{} = 2$	<table border="1" style="margin: auto;"> <tr> <td colspan="5" style="text-align: center;">$\frac{5}{4}$</td> </tr> <tr> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> </table>	$\frac{5}{4}$									
$\frac{5}{4}$											
<p>True or false</p> $\frac{5}{8} \times 2 = \frac{5}{4}$	 <p>What is the perimeter of this regular pentagon ? Give your answer in three different ways.</p>										



Connect4Maths



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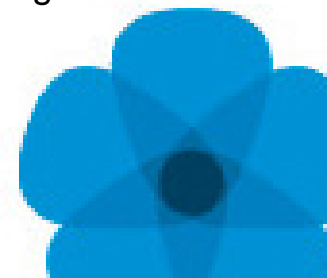
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For further details on the full range of services available please contact us using the following details:

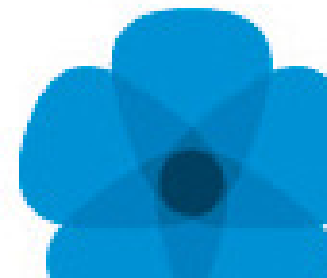
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