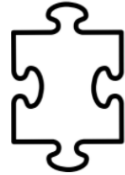


# Connect4Maths

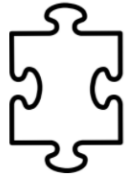


A resource to support the **HIAS Scheme of Learning for Mathematics**; knowledge recall and retrieval; and skills practice.

## Unit 9.1

HIAS Maths Team  
September 2021  
Final version

© Hampshire County Council



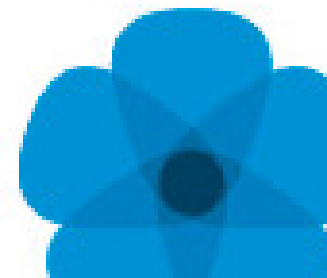
# Connect4Maths

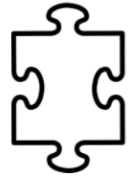
## Overview:

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

## Points to consider when using this resource

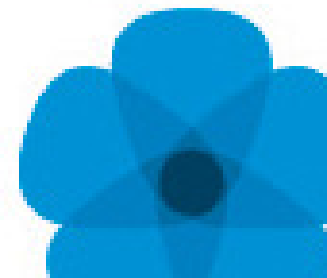
- Teachers should review current learning within a unit of work and construct or adapt sets of questions that are relevant to the pupils.
- Connect4Maths is intended to be a daily, or regular, strategy that enables pupils to see connections across different areas of maths and to practise a range of skills, 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

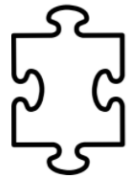




# Connect4Maths

## Cognitive strategies to support embedding K&U





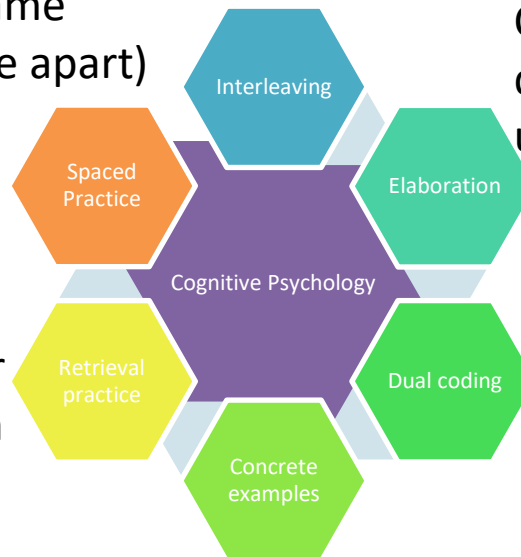
# Connect4Maths

## 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)

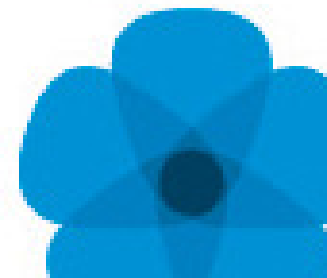
Coding the same information in different ways to deepen the understanding of structure



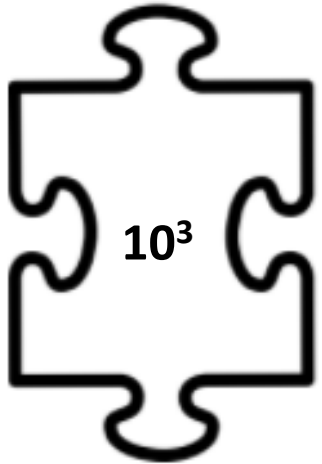
Tasks that offer the opportunity for students to recall information from long-term memory

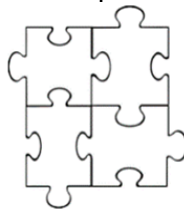
Verbal and visual representations to prompt thinking and memory

Real-life or relevant contexts for a piece of mathematics

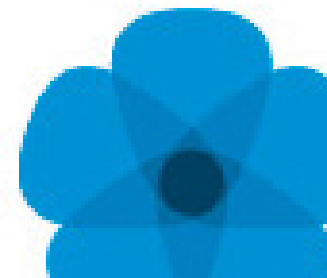


# Connect4Maths

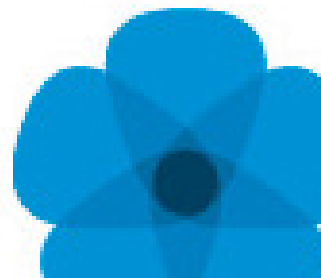
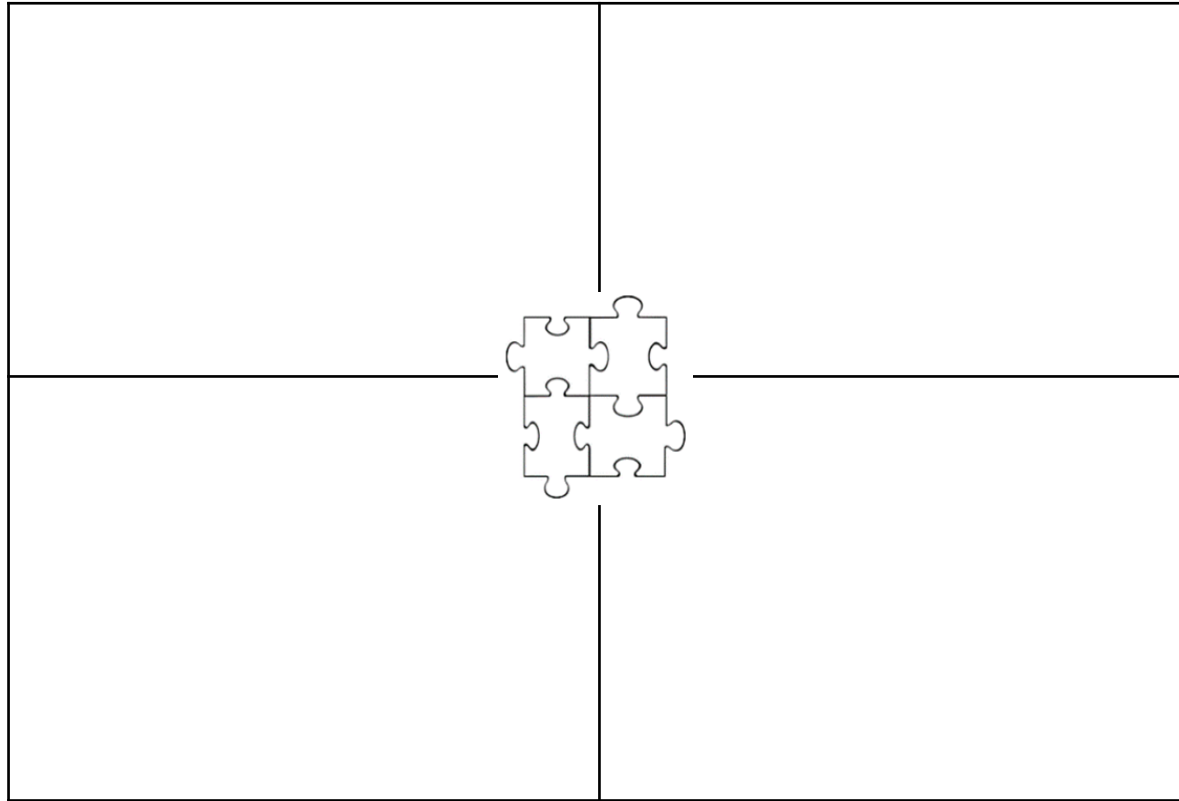
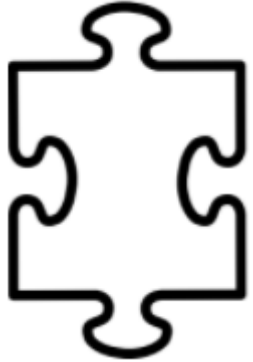


$\square \times 10^3 = 3700$	$3400 + 2750 = \square$ Give your answer in standard form
<p>True or false</p> $10^3 \times 10^3 = 100\ 000$	 $\frac{8 \times 10^5}{2 \times 10^2} = \square$ Give your answer as an ordinary number

Y9 – linked to Unit 9.1 – Number: Indices and Standard Form



# Connect4Maths



# HIAS Maths Team

Jo Lees – Inspector/ Adviser

[jo.lees@hants.gov.uk](mailto:jo.lees@hants.gov.uk)

Jacqui Clift – Inspector/ Adviser

[jacqui.clift@hants.gov.uk](mailto:jacqui.clift@hants.gov.uk)

Rebecca Vickers – Teaching & Learning Adviser

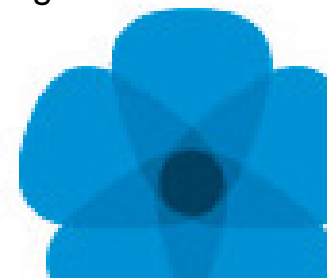
[rebecca.vickers@hants.gov.uk](mailto:rebecca.vickers@hants.gov.uk)

Kate Spencer – Teaching & Learning Adviser

[kathryn.spencer@hants.gov.uk](mailto:kathryn.spencer@hants.gov.uk)

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

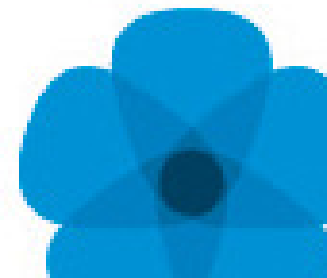
Tel: 01962 874820 or email: [hias.enquiries@hants.gov.uk](mailto:hias.enquiries@hants.gov.uk)



# Upcoming Courses

Keep up-to-date with our learning opportunities for each subject through our Upcoming Course pages linked below. To browse the full catalogue of learning offers, visit our new Learning Zone. Full details of how to access the site to make a booking are provided [here](#).

- [English](#)
- [Maths](#)
- [Science](#)
- [Geography](#)
- [RE](#)
- [History](#)
- [Leadership](#)
- [Computing](#)
- [Art](#)
- [D&T](#)
- [Assessment](#)
- [Support Staff](#)
- [SEN](#)





# Terms and Conditions

## Terms of licence

Moodle+ subscribers are licenced to access and use this resource and have agreed to pay the annual subscription fee. This authority starts when the fee is paid and ends when the subscription period expired unless it is renewed. This file is for personal or classroom use only. By using it, you agree that you will not copy or reproduce this file except for your own personal, non-commercial use. HIAS have the right to modify the terms of this agreement at any time; the modification will be effective immediately and shall replace all prior agreements.

## You are welcome to:

- download this resource
- save this resource on your computer
- print as many copies as you would like to use in your school
- amend this electronic resource so long as you acknowledge its source and do not share as your own work.

## You may not:

- claim this resource as your own
- sell or in any way profit from this resource
- store or distribute this resource on any other website or another location where others are able to electronically retrieve it
- email this resource to anyone outside your school or transmit it in any other fashion.

