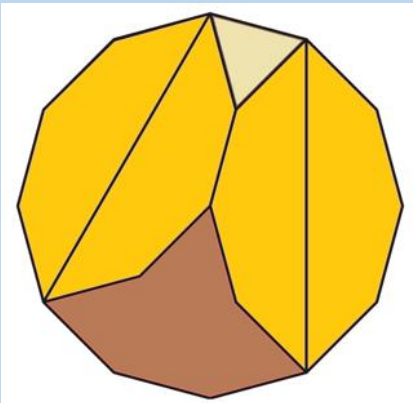
NUMERACY CHALLENGE

ACCESS MATHS

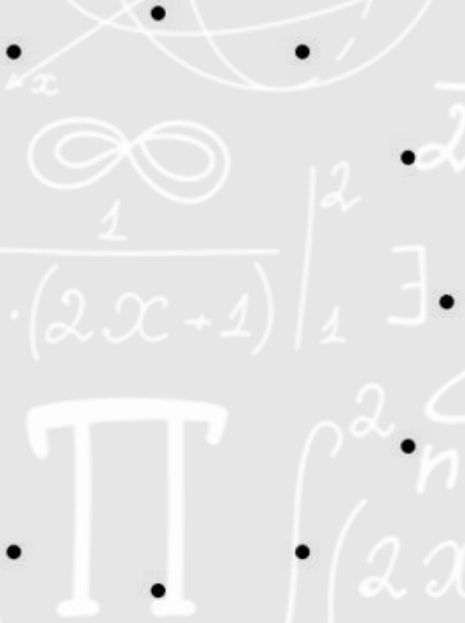


LEVEL 1 LEVEL 2

ACCESS MATHS

NUMERACY CHALLENGE

A regular dodecagon is a polygon with 12 sides of the same length and 12 internal angles of the same size. You should recognise the shape as the new one pound coin!



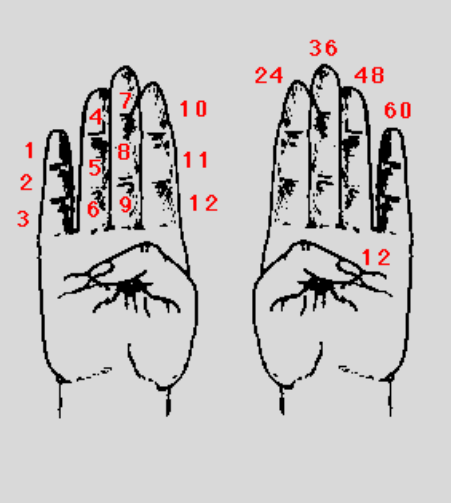
Join each dot to every other dot on the dodecagon using a ruler to form a star polygon.

LEVEL 1

ACCESS MATHS

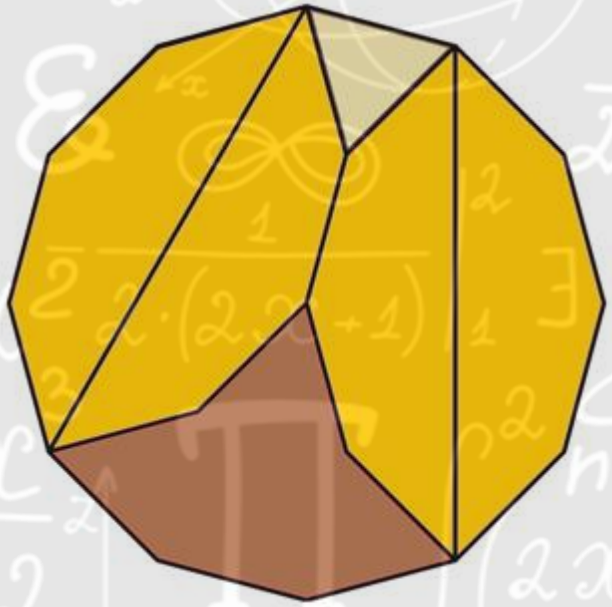
NUMERACY CHALLENGE

We once counted in 12's. It originated with the ancient Sumerians and passed to the Babylonians.



People would count on their fingers to 12 using one hand, with the thumb pointing to each finger bone on the four fingers.

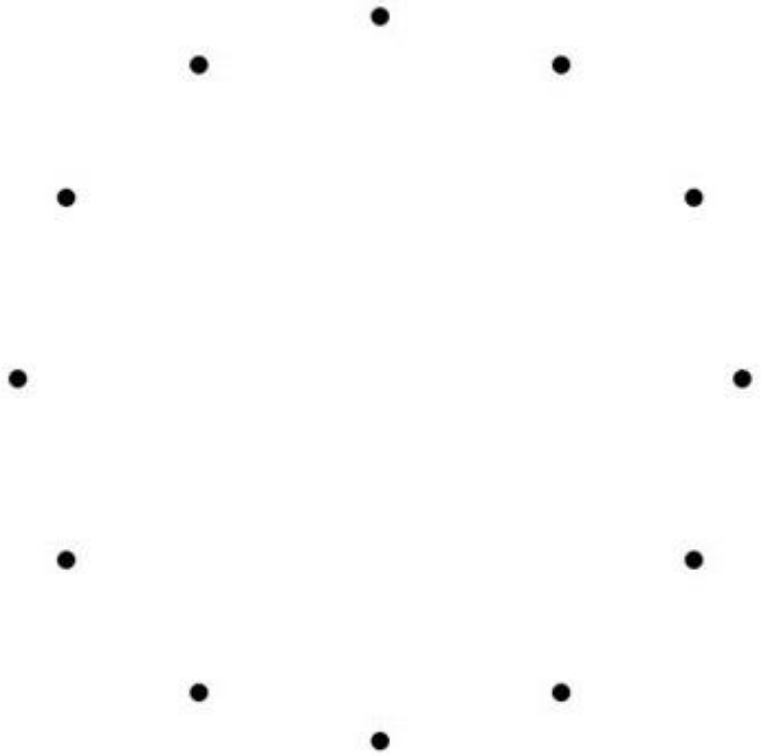
In this system, one hand counts repeatedly to 12, displaying the number of iterations on the other.



A dodecagon is a square in disguise. Cut the pieces up and rearrange them into a square.

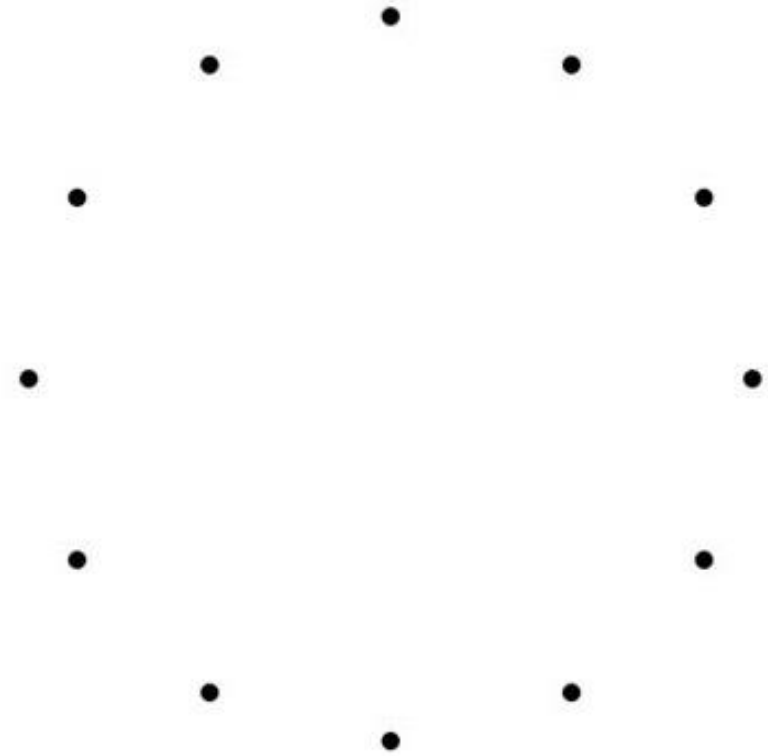
LEVEL 2

NUMERACY CHALLENGE LEVEL 1



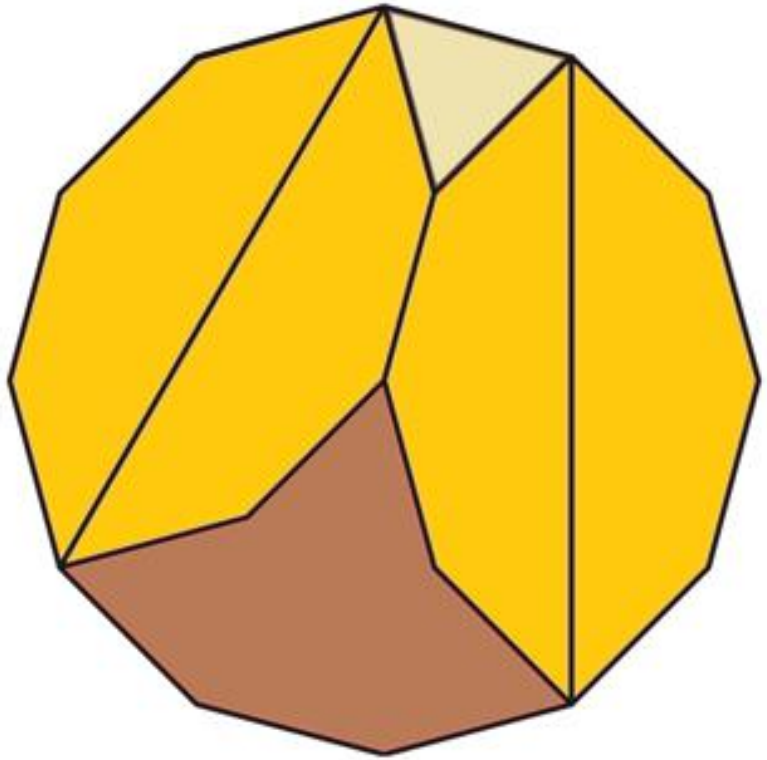
Join each dot to every other dot on the dodecagon using a ruler. How many diagonals are there?

NUMERACY CHALLENGE LEVEL 1



Join each dot to every other dot on the dodecagon using a ruler. How many diagonals are there?

NUMERACY CHALLENGE LEVEL 2



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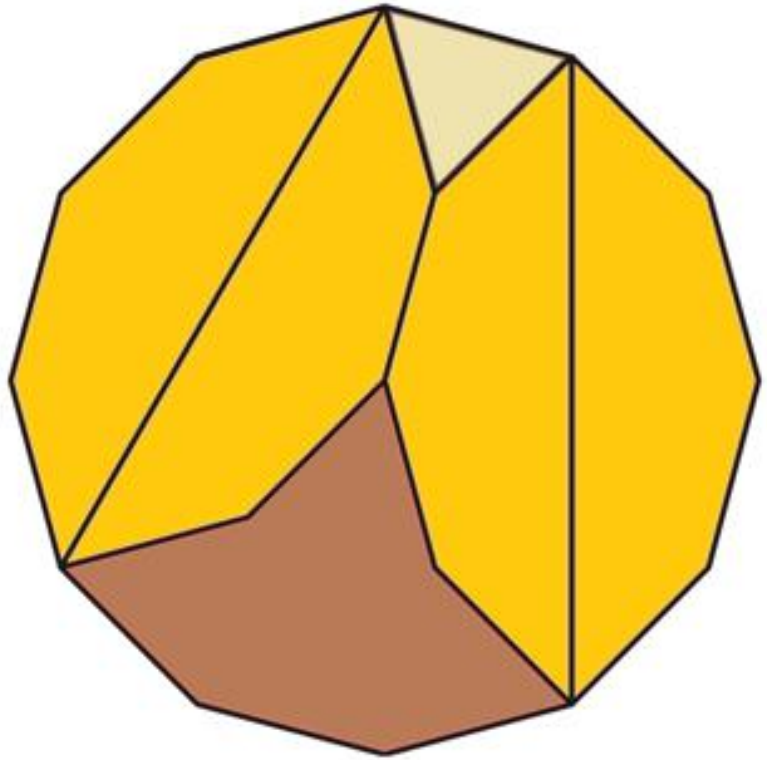
NUMERACY CHALLENGE LEVEL 2



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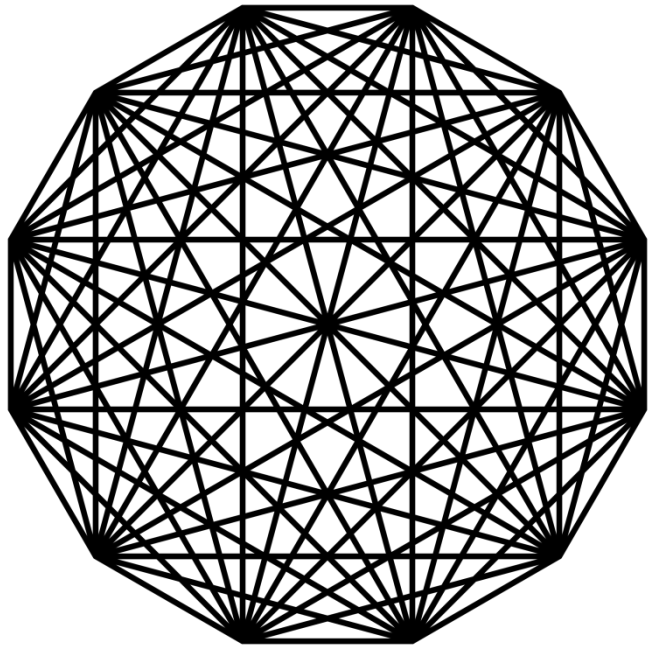
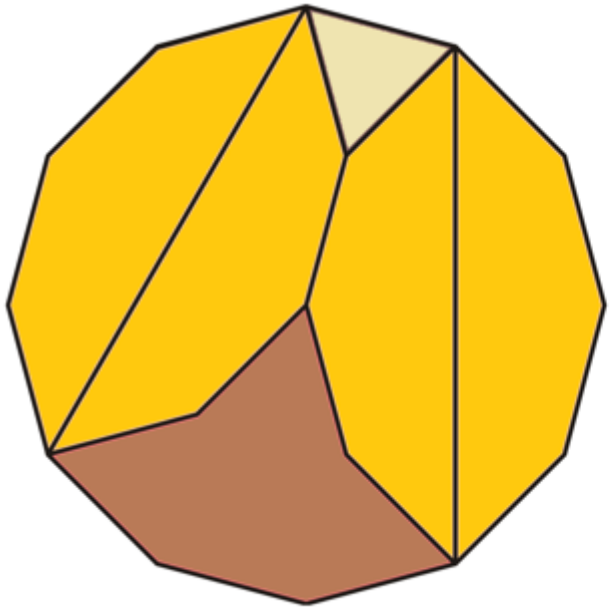
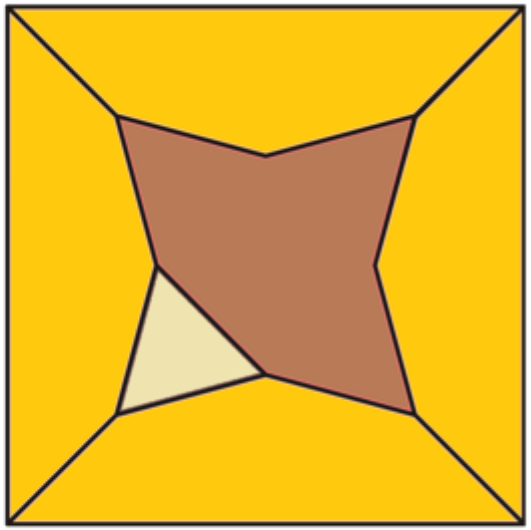
Level 1:



Level 2:





ACCESS MATHS