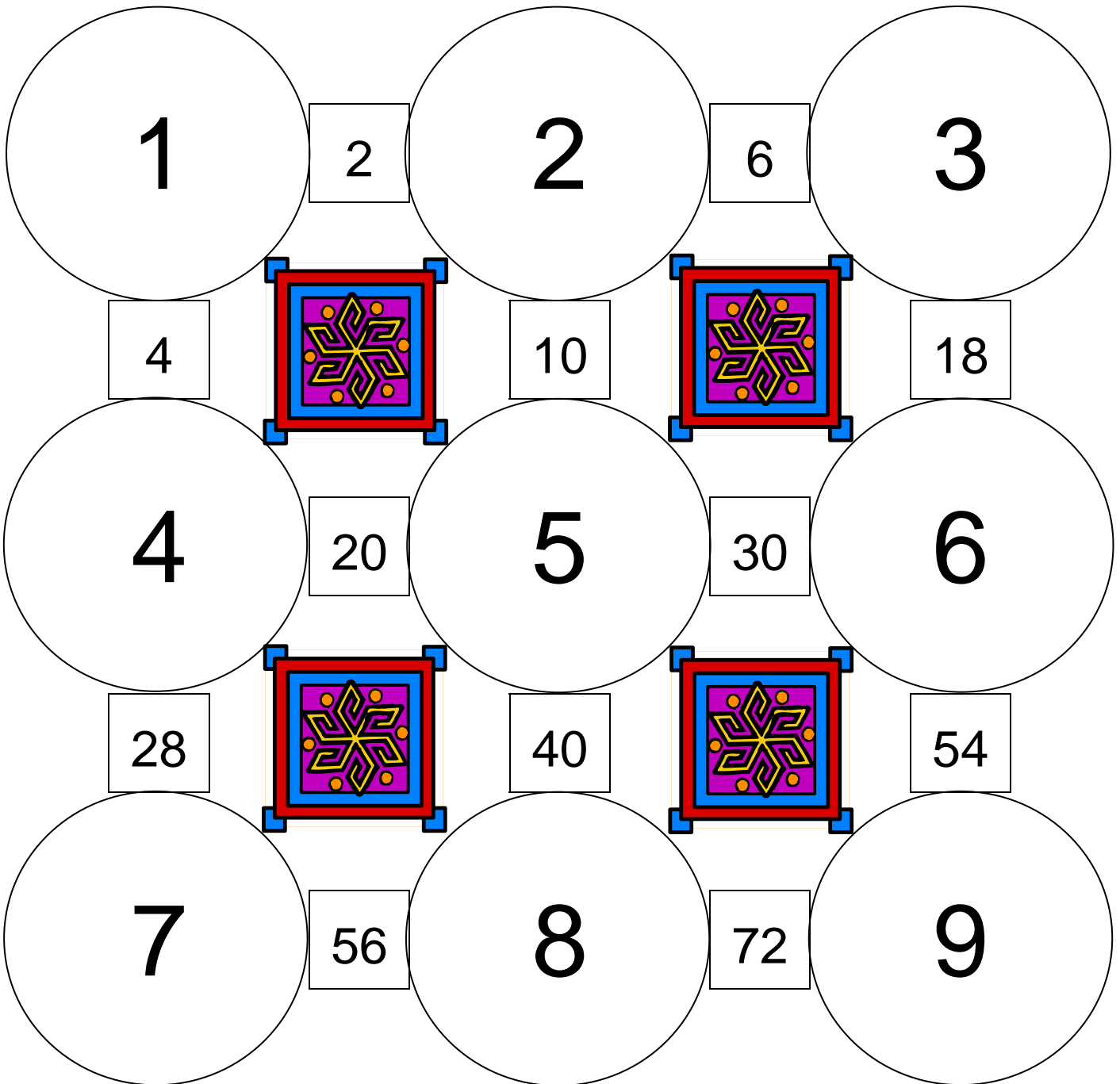


GRAND DESIGNS



GRAND TOTAL = $2 + 6 + 4 + 10 + 18 + 20 + 30 + 28 + 40 + 54 + 56 + 72 = 340$

In the design above, each of the numbers 1 – 9 has been placed in one of the circles.

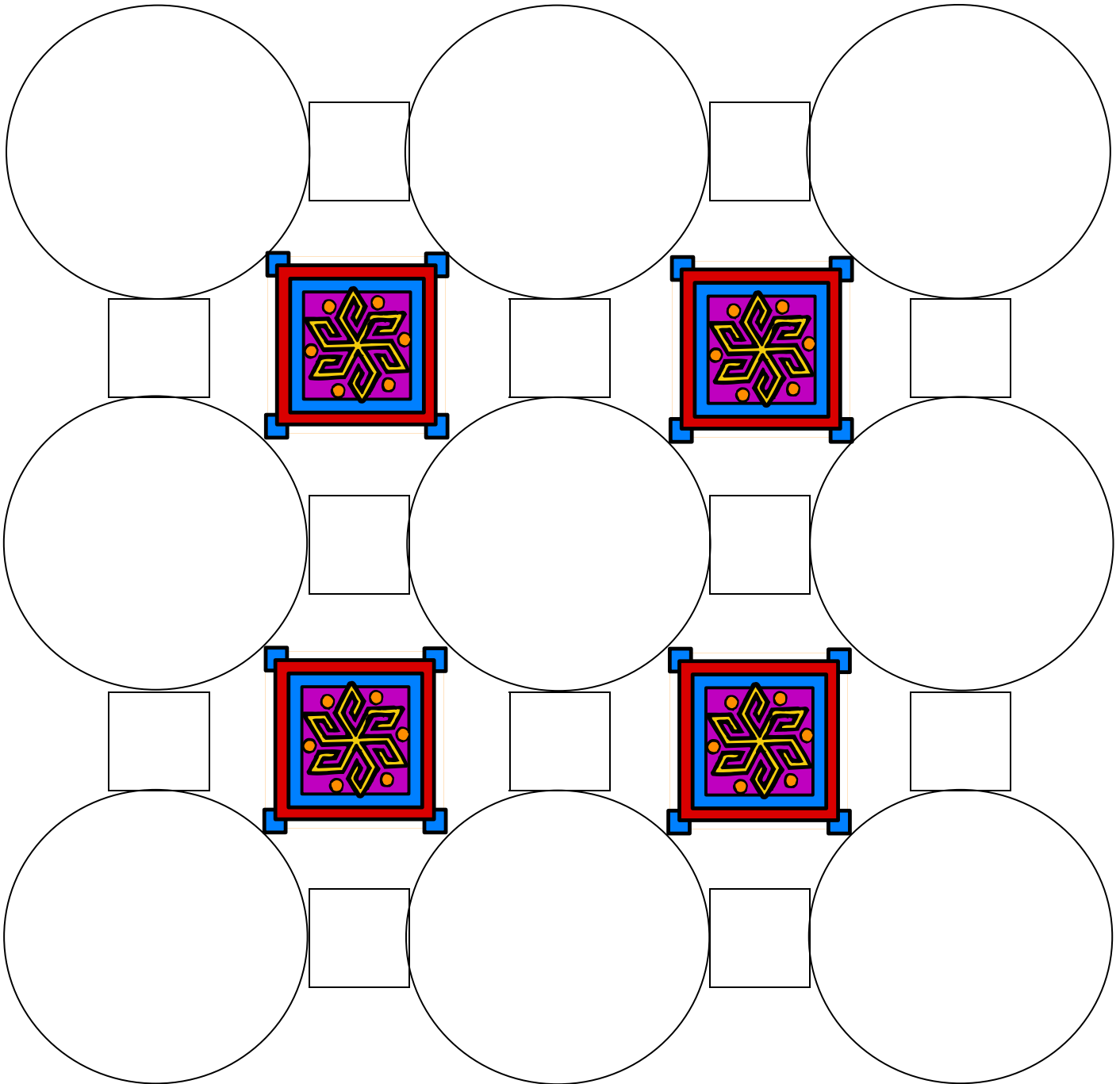
The numbers in the boxes are made by multiplying the two circles it touches.

The GRAND TOTAL is made by adding all the number in the squares.

Using the blank diagram on the next page, arrange the numbers differently and work out your own “GRAND TOTAL”. Have a competition with your friends – who can get the biggest GRAND TOTAL? What is the biggest possible GRAND TOTAL (using just the numbers 1 – 9)?



GRAND DESIGNS



GRAND TOTAL = + + + + + + + + + + + = .

In the design above, place the numbers 1 – 9 in the circles.

Find the number in each box by multiplying the numbers in the two circles it touches.

Find the GRAND TOTAL by adding all the number in the squares.

Have a competition with your friends – who can get the biggest GRAND TOTAL?
What is the biggest possible GRAND TOTAL (using just the numbers 1 – 9)?

