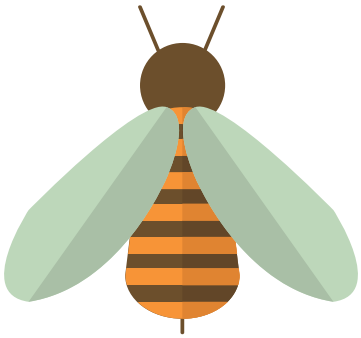


MRBEETEACH

RICH MATHS INVESTIGATIONS

Honey code

1

. bee keeper must ensure the hive is protected at all costs. Ma
are locked to secure the safety of the hive. This hive has been locked with a combination lock and you need o access it in the next 15 minutes. On the side of the hive, there is a riddle.

If the honey you wish to free,

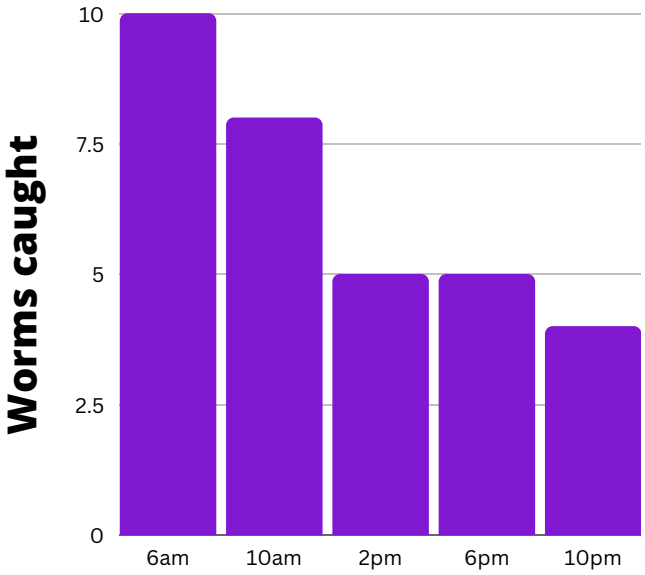
Start with the square of 3.
Multiply by 2 squared,
Double it,
Add the product of 5 x 6,
Then subtract the multiple of 9 nearest to 50.
Add all of the factors of 12.
Calculate the total and then add 7 x 2.

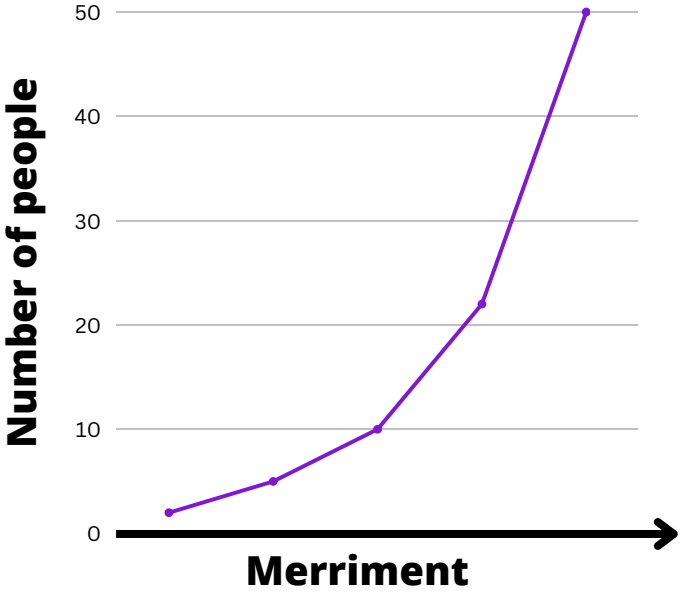
Enter this code to access the hive.

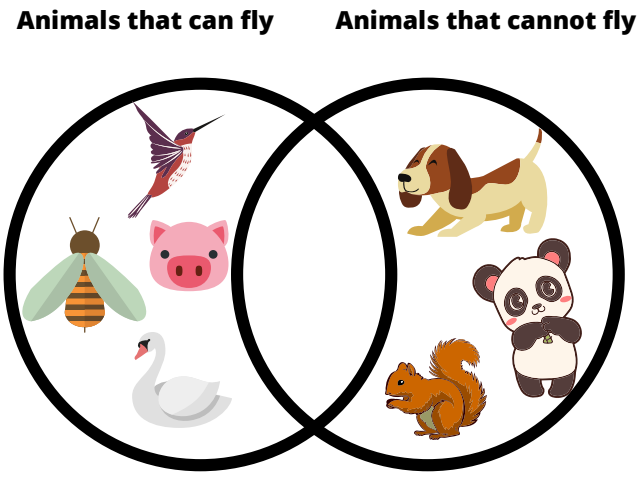
Wise words

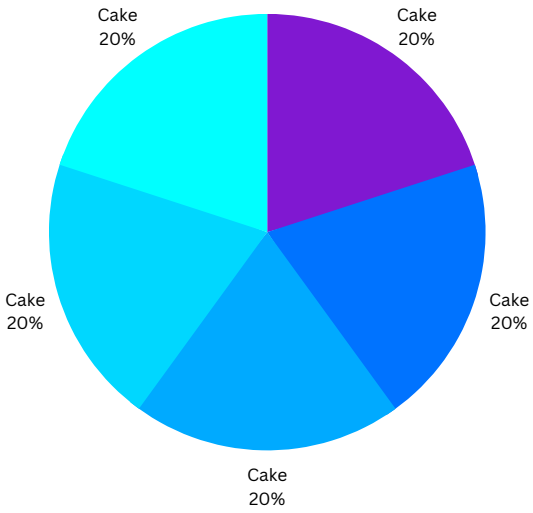
2

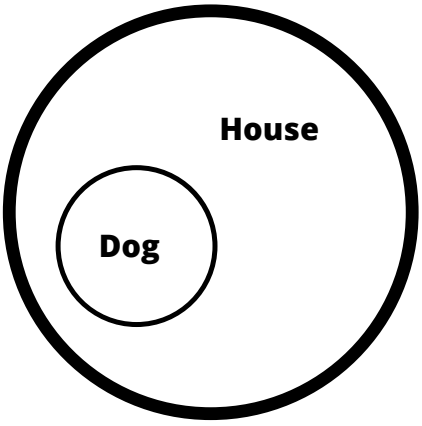
Can you work out which well-known sayings are represented by each graph?











Moon cycles				
Full	First quarter	Waning crescent	Blue moon	New moon

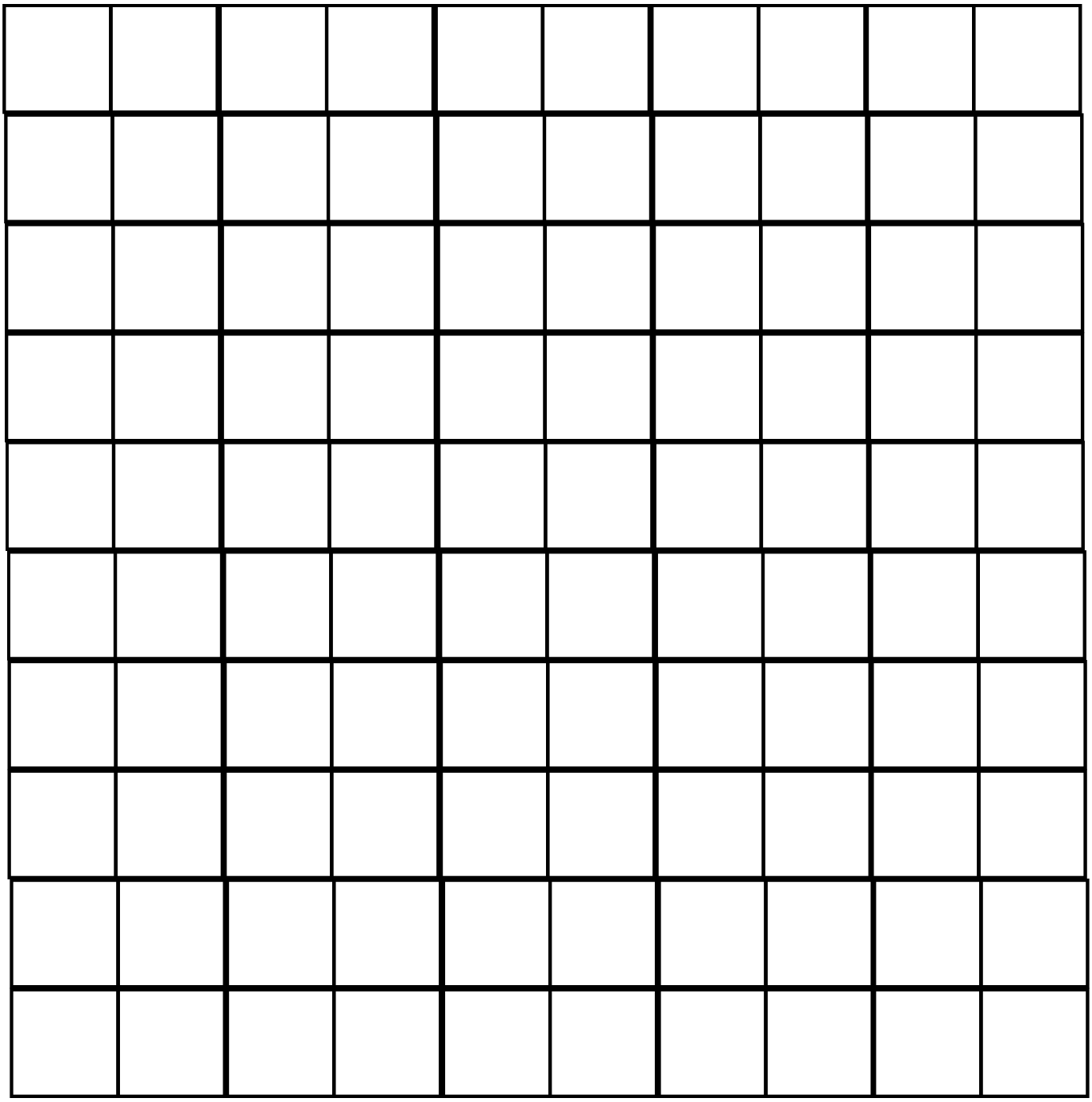
Multiplication patch

3

2 Players

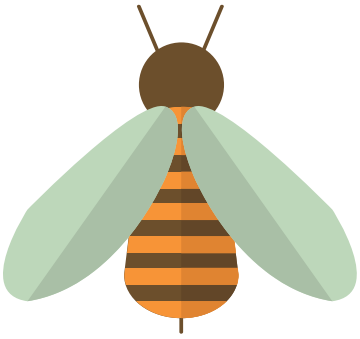
Below is a patch of field. Bees may fly around the field and claim part it.

1. Roll a dice twice and multiply the numbers.
2. Shade an array to block out that part of the field.
3. The winning person if the person is the person who has most of the fiield blocked out.

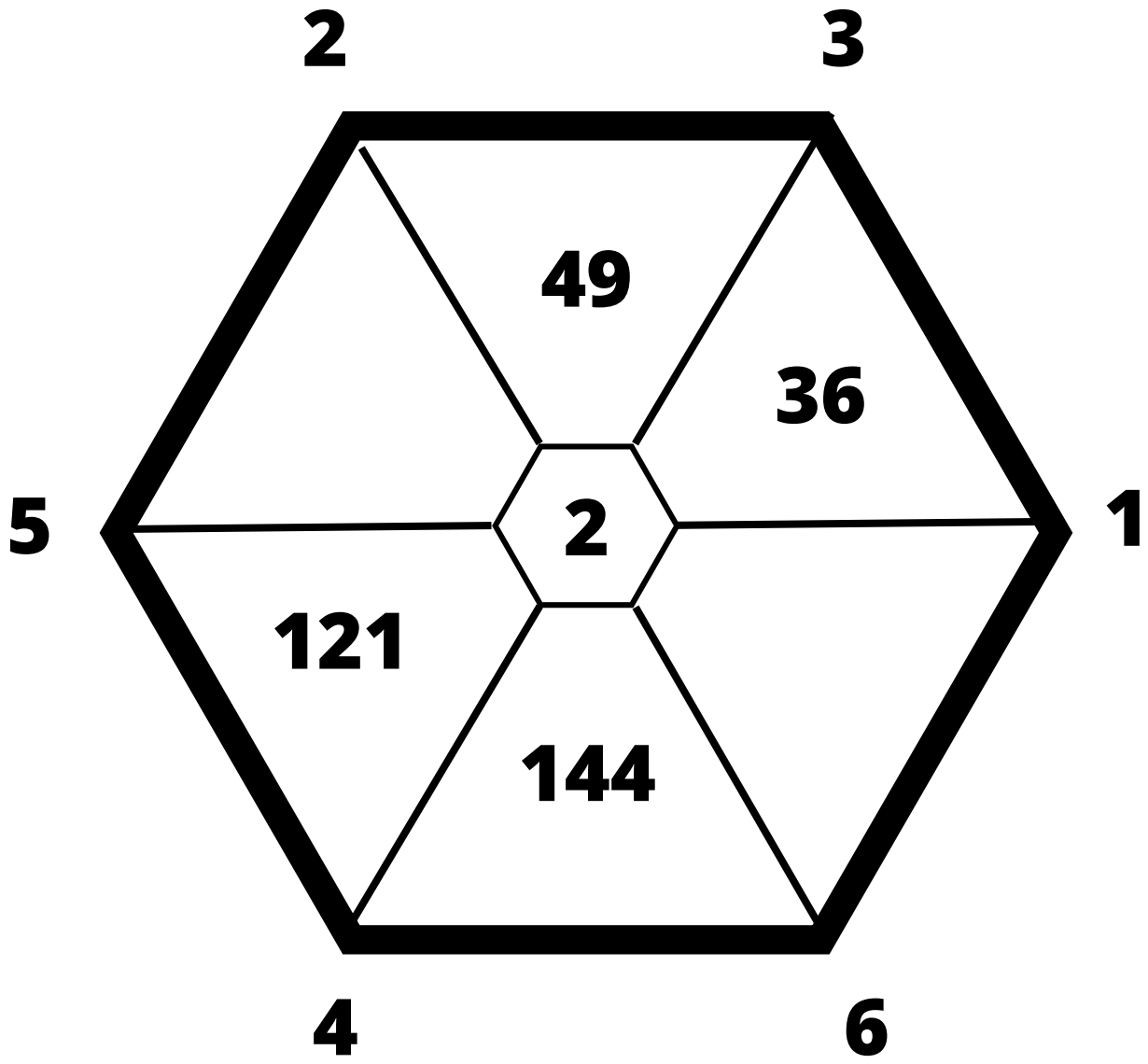


Honeycomb squares

4



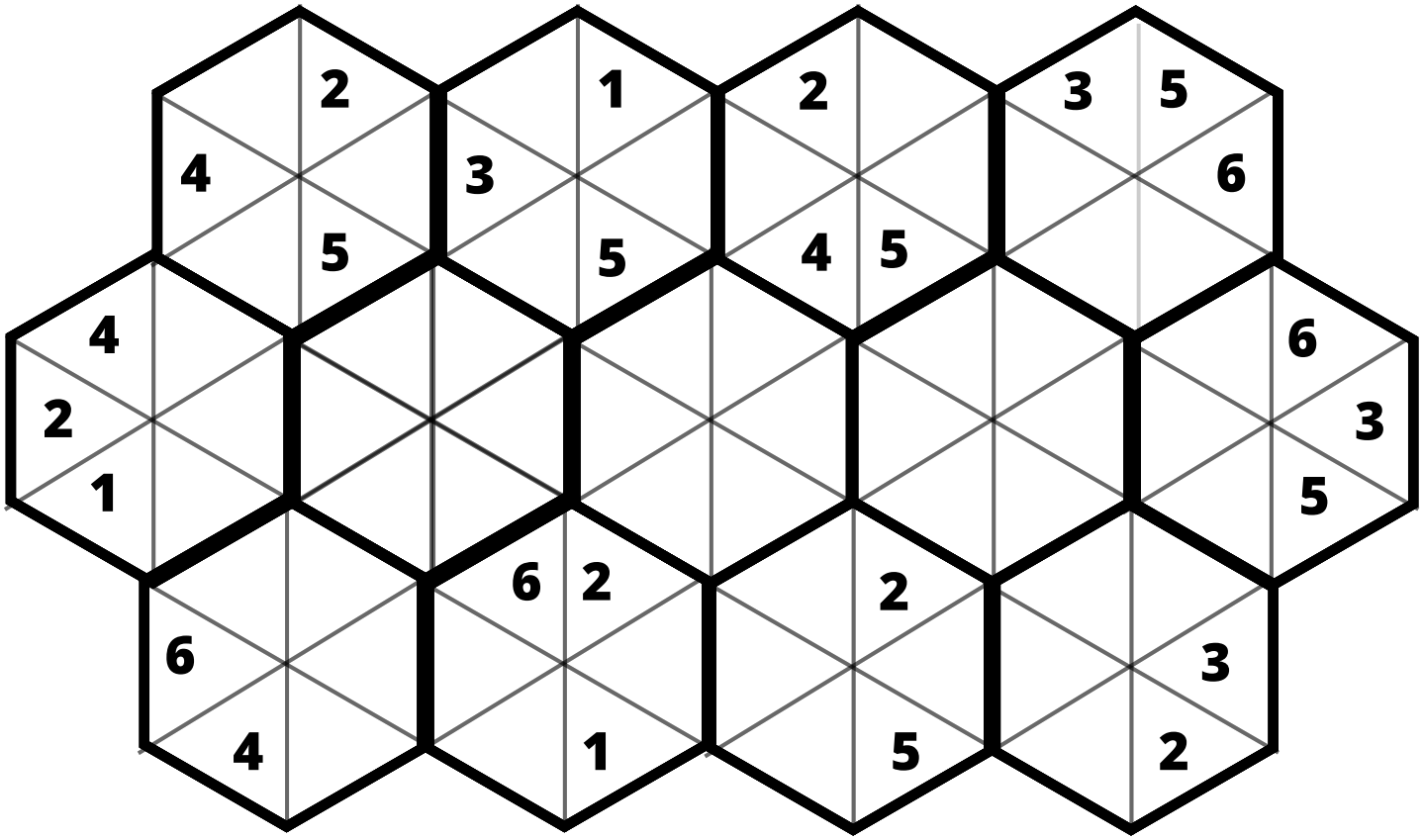
What the the missing number?

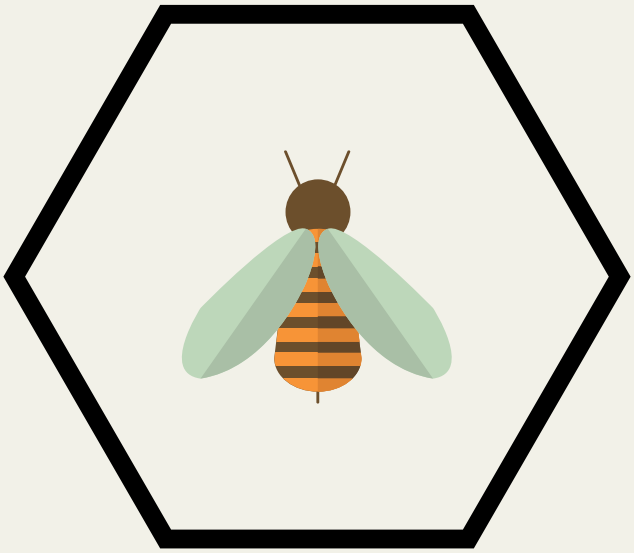


Hexagon six

5

Use digits 1 - 6 in each hexagon. Where the sides of the hexagon meet, the adjacent segment has the same number. No digit can be repeated within a hexagon.





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