

# NUMERACY CHALLENGE



ACCESS MATHS

7

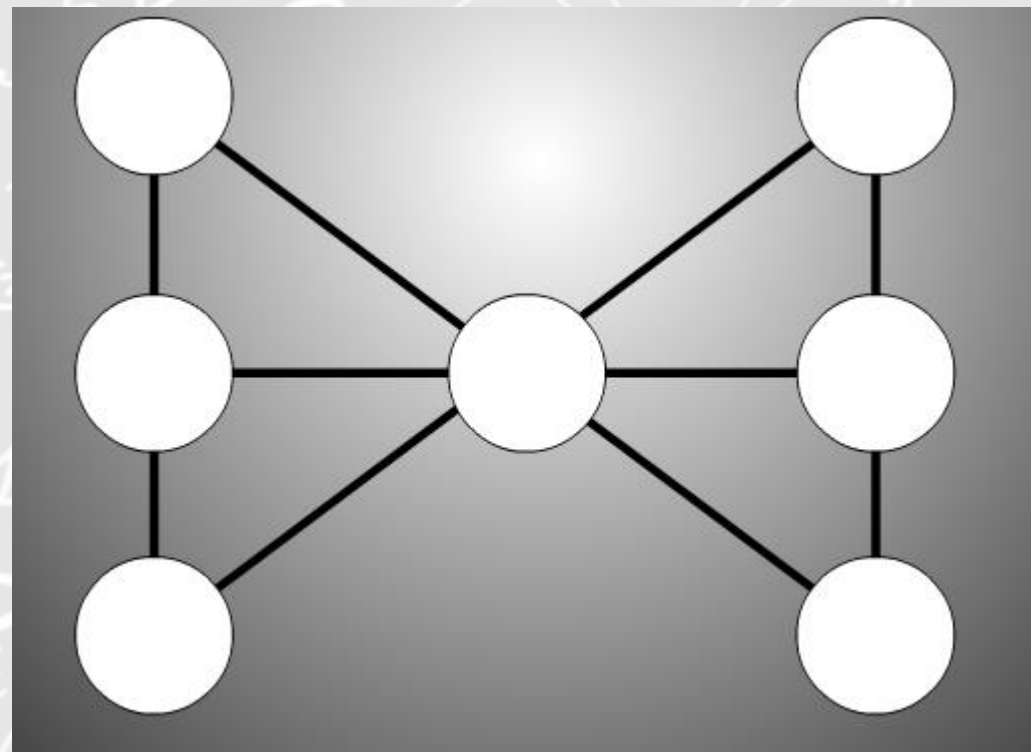


LEVEL 1

LEVEL 2

# NUMERACY CHALLENGE

Put the numbers 1, 2, 3, 4, 5, 6 and 7 into the circles, so that each row of 3 circles adds up to 12. You can only use each number once!



## LEVEL 1

# NUMERACY CHALLENGE

There are less than 72 eggs in a basket.

Counted out in 2's, there is 1 left over.

Counted out in 3's, there are 2 left over.

Counted out in 4's, there are 3 left over.

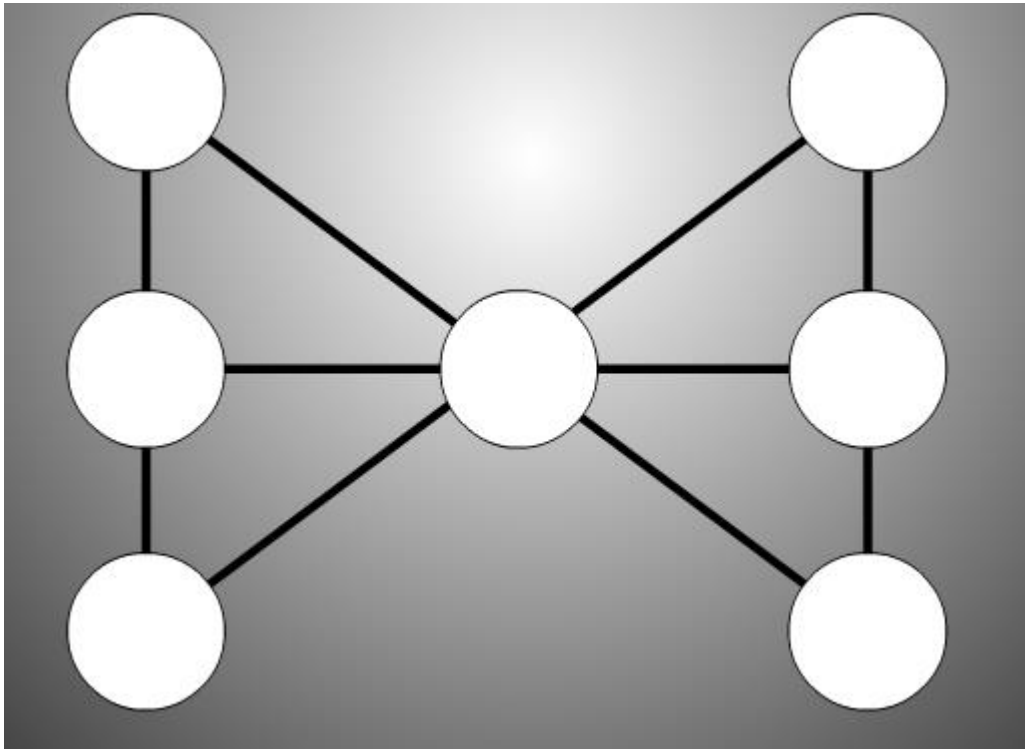
Counted out in 5's, there are 4 left over.

How many eggs are in the basket?

**LEVEL 2**

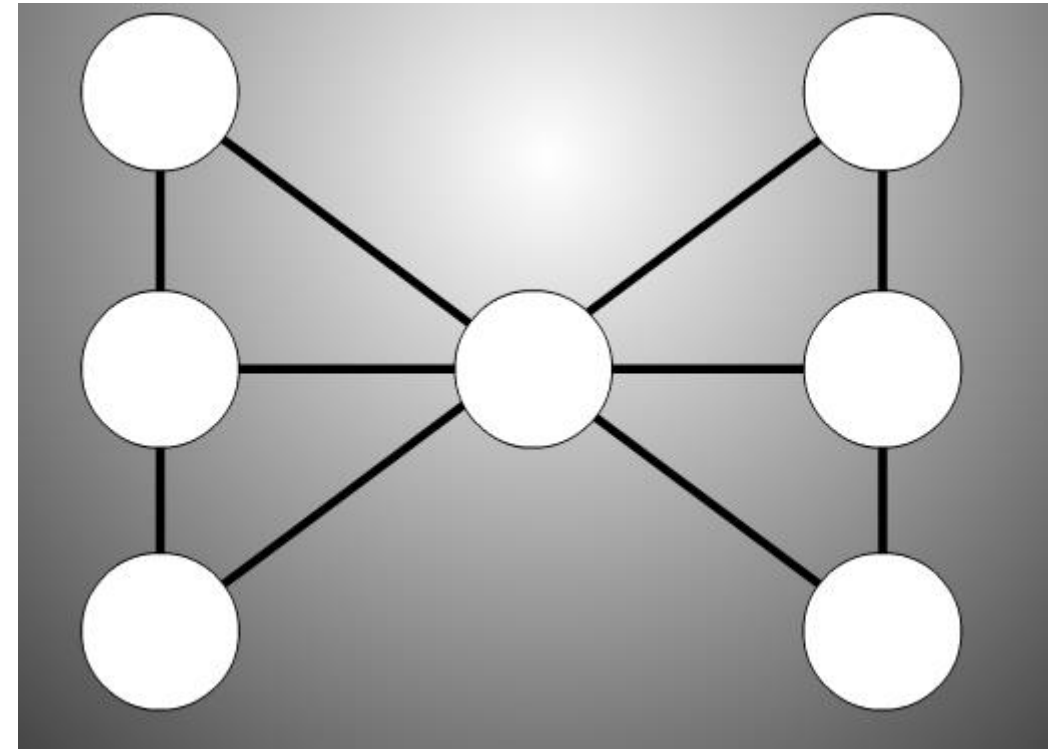


# NUMERACY CHALLENGE LEVEL 1



Put the numbers 1, 2, 3, 4, 5, 6 and 7 into the circles, so that each row of 3 circles adds up to 12. You can only use each number once!

# NUMERACY CHALLENGE LEVEL 1



Put the numbers 1, 2, 3, 4, 5, 6 and 7 into the circles, so that each row of 3 circles adds up to 12. You can only use each number once!



# NUMERACY CHALLENGE LEVEL 2

There are less than 72 eggs in a basket.

Counted out in 2's, there is 1 left over.

Counted out in 3's, there are 2 left over.

Counted out in 4's, there are 3 left over.

Counted out in 5's, there are 4 left over.

How many eggs are in the basket?



# NUMERACY CHALLENGE LEVEL 2

There are less than 72 eggs in a basket.

Counted out in 2's, there is 1 left over.

Counted out in 3's, there are 2 left over.

Counted out in 4's, there are 3 left over.

Counted out in 5's, there are 4 left over.

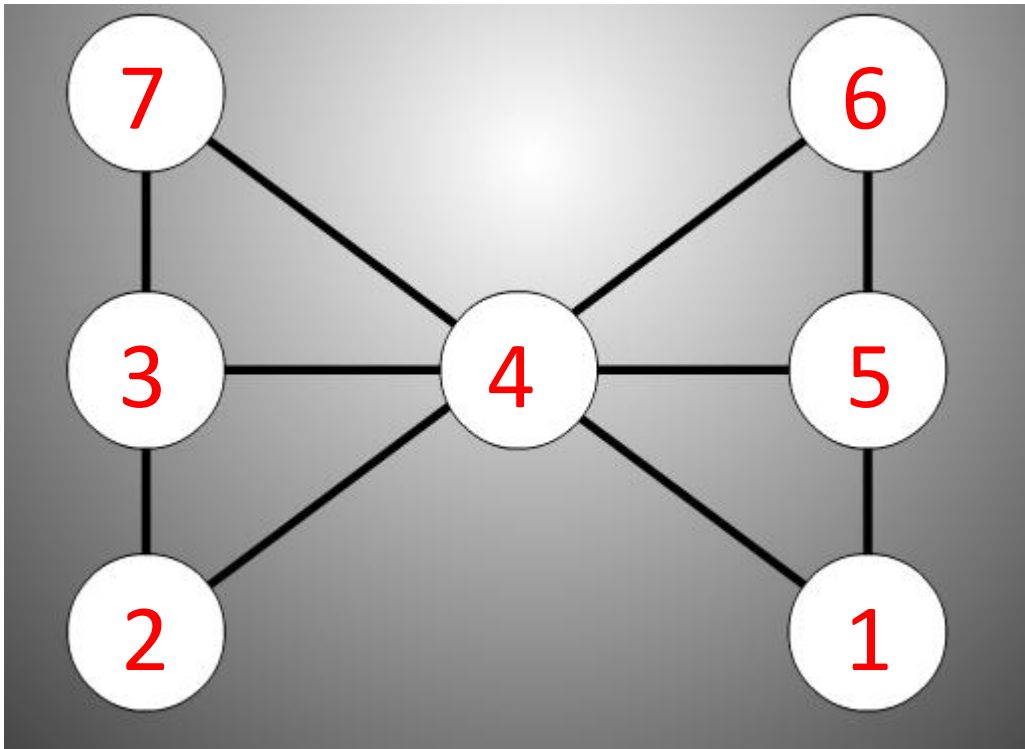
How many eggs are in the basket?



# LEVEL 1

Check that each row adds up to 12 – including diagonals. There are several possible solutions.

e.g.



# LEVEL 2

Answer:

There are 59 eggs.

Use the last 'rule' to eliminate any numbers not ending in 4 or 9, then use the 2's rule to eliminate the 4's. That only leaves 7 values to check.