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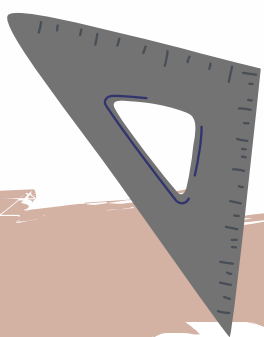
MVPS Maths Problem Solving Challenge

TERM 4 – WEEK 4

- Choose a 1-star, 2-star, or 3-star maths problem solving task below, to solve.
- Work through the problem using one of the Problem Solving Graphic Templates found attached to the newsletter (print it out). Colour in the number of stars to match your choice.
- Hand your completed and solved maths problem into the marked box in the library before Tuesday next week.
- Watch for the solutions and successful mathematicians in next week's newsletter.

Happy solving!!!

The Maths Committee Team



★ Line of Symmetry

You need:
some squared paper,
a red pen, a green pen and a blue pen.

Gopal had six squares: two red, two green, two blue. He put them in a line. The squares made a symmetrical pattern.

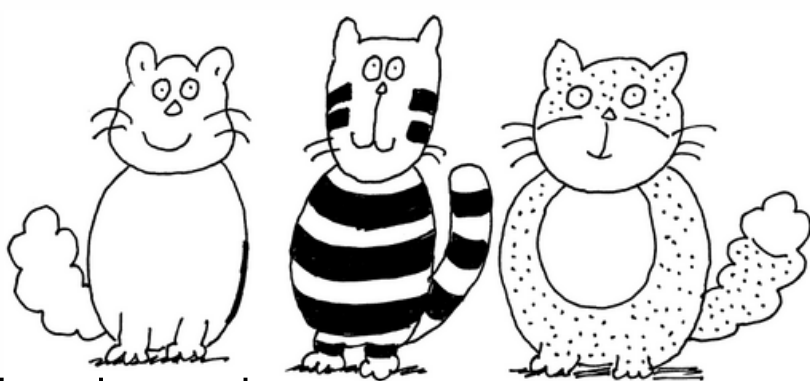
Arrange six squares in a line. Make two squares red, two green and two blue. Make the line of squares symmetrical.

red	blue	green	green	blue	red
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How many different lines can you make like this?

★★ Keiron's Cats

Keiron has three cats. Each is a different weight.



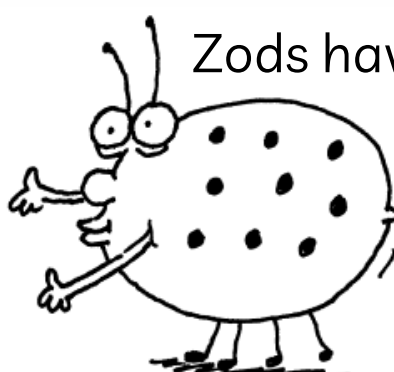
The first and second weigh 7kg altogether.
The second and third weigh 8kg altogether.
The first and third weigh 11kg altogether.

What is the weight of each cat?

★★★ Zids and Zods

Zids have 4 spots.

Zods have 9 spots.



Altogether some Zids and Zods have 48 spots.
How many Zids are there? How many Zods are there?

What if Zids have 5 spots, Zods have 7 spots, and there are 140 spots altogether? Find as many solutions as you can.

Credit:

We'd like to attribute this week's maths Problem Solving tasks to National Numeracy Strategy UK.