Join our...

MVPS Maths Problem Solving Challenge

TERM 3 – WEEK 2

- 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

★ Gob-Stopper

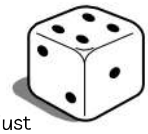
Jade bought a gob-stopper at the shops. It cost $6.

She paid for it exactly. Which coins or notes did she use?

There are 5 different ways to do it. Find as many as you can.

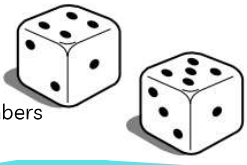
What if the gob-stopper cost $7?

★★ Roly Poly



The dots on opposite faces of a dice add up to 7.

1. Imagine rolling one dice.
The score is the total number of dots you can see, not just the top face. You score 17. Which number is face down?
How did you work out your answer?



2. Imagine rolling two dice.
The dice do not touch each other. The score is the total number of dots you can see. Which numbers are face down to score 30?

★★★ Joins

Join any four numbers. Find their total. Joins can do up, down or sideways, but not diagonally. The score shown is 8 + 15 + 6 + 18 = 47.

8	15	6	9
14	13	18	20
18	17	2	5
3	15	19	6

1. Find the highest possible score.
2. Find the lowest possible score.
3. Try joining five numbers.
4. Now try joining five numbers using only diagonal joins.

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