

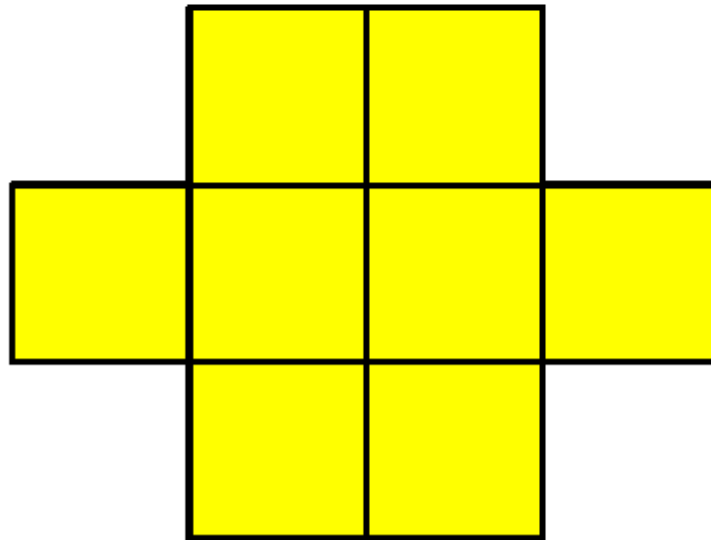
Tuesday 5 June 2018

PROBLEM SOLVING

Arrange The Numbers

Place the numbers 1 – 8 in the squares so that no number is in contact on any side or diagonal with any number that is one greater or one less than it.

So for instance, 4 cannot be next to 3 or 5.



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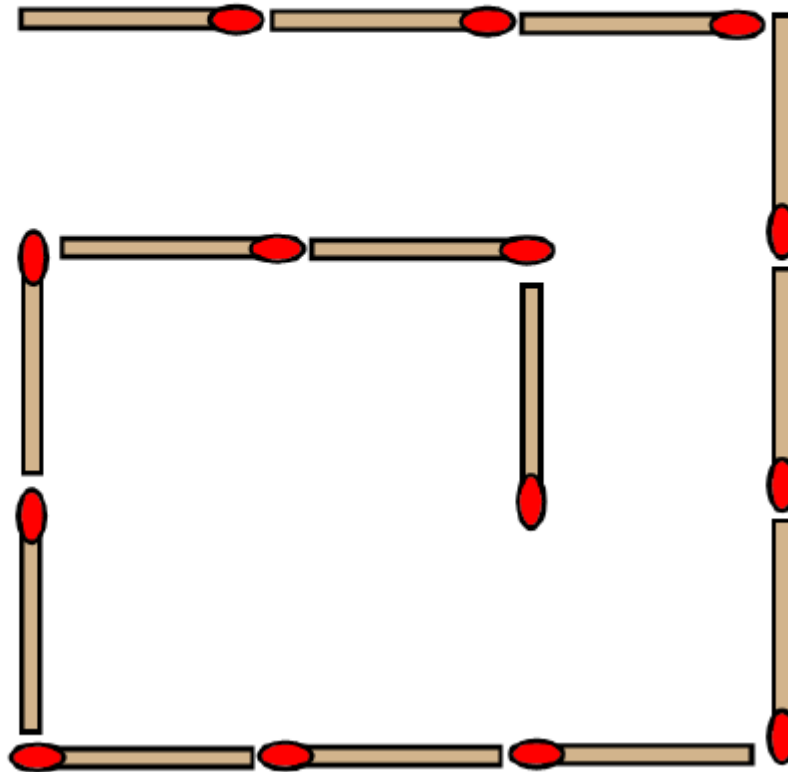


Wednesday 6 June 2018

PROBLEM SOLVING

Two Squares

Move two matches to make two squares.



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Thursday 7 June 2018

PROBLEM SOLVING

Magic Square

Place the numbers 1 to 9 in this Magic Square so that all rows, columns and diagonals add to the same number.

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Friday 8 June 2018

PROBLEM SOLVING

Days Gone By

“When the day after tomorrow is yesterday, today will be as far from Wednesday as today was from Wednesday when the day before yesterday was tomorrow.”



What is tomorrow?

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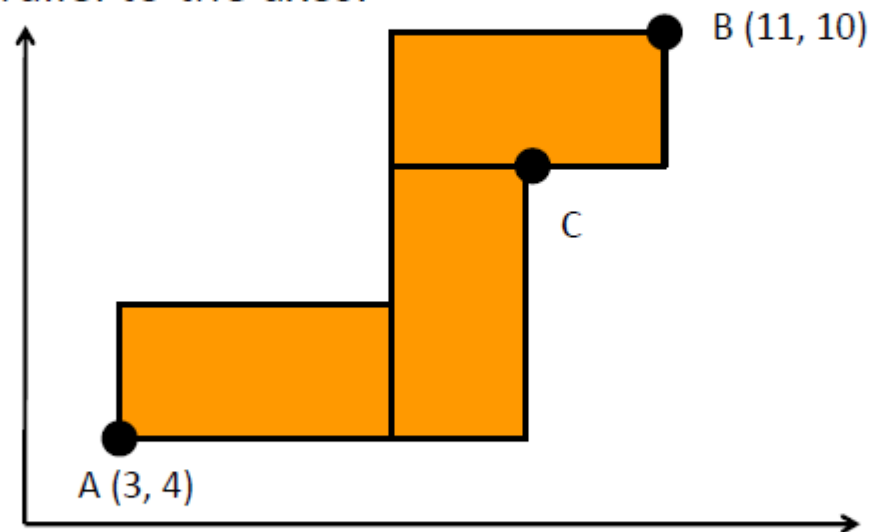


Tuesday 12 June 2018

PROBLEM SOLVING

Find The Co-Ordinate

The diagram shows three identical rectangles that have their sides parallel to the axes.



- What are the dimensions of each rectangle?
- Find the coordinates of point C

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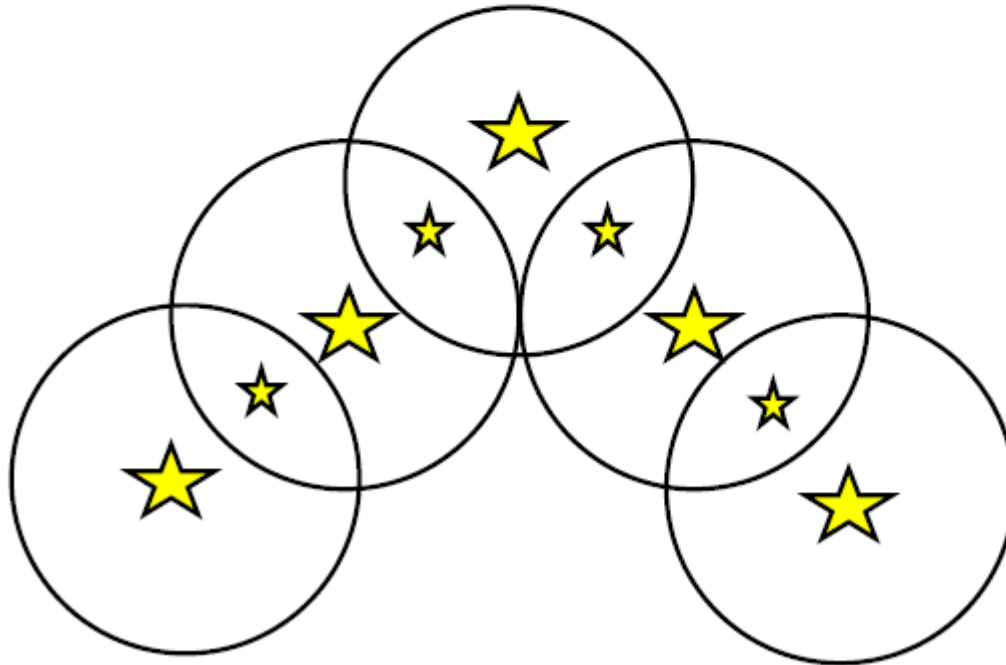


Wednesday 13 June 2018

PROBLEM SOLVING

Circular Sums

Substitute a number between 1 and 9 for each star so that the sum of the numbers in each circle is the same.



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Thursday 14 June 2018

PROBLEM SOLVING

Pocket Money



Rachel and Lucas have agreed to work for their Mum over the holidays. The pay they get will vary.

Rachel will get £10 for the first day she works and two more dollars for every day she works after that.

Lucas will get £1 for the first day he works, but for each day he works from then on, his pay will be doubled.

Who would you rather be and why?

After how many days is Rachel's Mum likely to run out of money?

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Friday 15 June 2018

PROBLEM SOLVING

Pay Rise, Pay Cut

Alex earned £1,224.45 per year two years ago

His salary increased by $\frac{1}{4}$
last year, then fell
by $\frac{1}{5}$ this year.

How much does he earn now?



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