

Spring 1 Challenge 1

Put your entry in the CMC box by the end of school on:

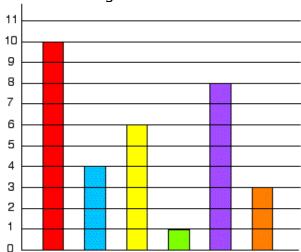
Tuesday 21st January

EYFS (Nursery and Reception)

(Get your grown up to help you!) Look around your house. Find things that you can compare how heavy they are. Draw pictures of the things that you can find. Can you order the things from lightest to heaviest?

KS1 (Year 1 & 2)

Tim's class collected information about all their pets. They have six different kinds of pets between them. This is the block graph they are making to show how many of each pet the class has altogether.



The children have not yet put in the animal names under each column. Can you do this for them using the information below?

There are two less cats than dogs.
Only one child has a parrot at home.
The number of fish added to the number of gerbils is equal to the number of dogs.
There are twice as many fish as hamsters.
There are half the number of gerbils as there are cats.

Lower KS2 (Year 3 & 4)

Imagine a matchstick.

How many more are needed to make a square?

How many more need adding to make yet another square alongside it? Carry on adding more squares ...

How many matches have you added?

How many matches are there when you have made 10 squares in the row? 20 squares? 50 squares?



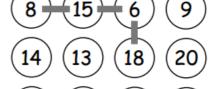
<u>Upper KS2 (Year 5 & 6)</u>

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

Find the highest possible score. Find the lowest possible score.

Try joining five numbers.

Now try joining five numbers using only diagonal joins.





Name:	Year:
Working out space:	
Now explain how you solved the proble	em!
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