

Have a go at
the activity on
the tables
while you wait!



Welcome to the
Mathmagician Morning
Reasoning & Problem
Solving

Morning Events

9.05 - 9.45 - Sharing methods used in school and ideas of things you could try at home

9.50 - 10.20 - Time in class with your child

10.20 - 10.50 - Tea, coffee and cake in the Infant hall.

The Maths Curriculum since 2014

Arithmetic

+

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x

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= $\frac{1}{3}$ of marks in key
stage 2 SATS

Reasoning and problem
solving

= $\frac{2}{3}$ of marks in key stage 2 SATs

What is the difference between reasoning and problem solving?

Problem Solving =

The process of finding solutions e.g
getting to the answer

Reasoning = thinking about the
problem logically, using and
explaining what you know to be able
to problem solve

ODD ONE OUT



Explain why each of these numbers is the odd one out

3, 4, 9



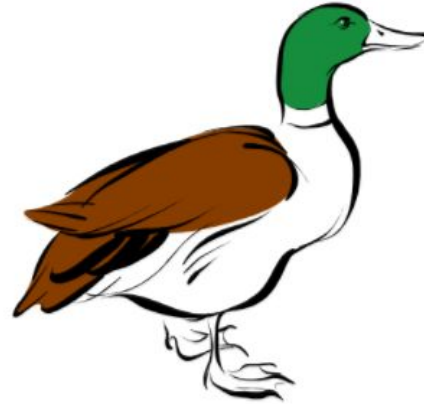
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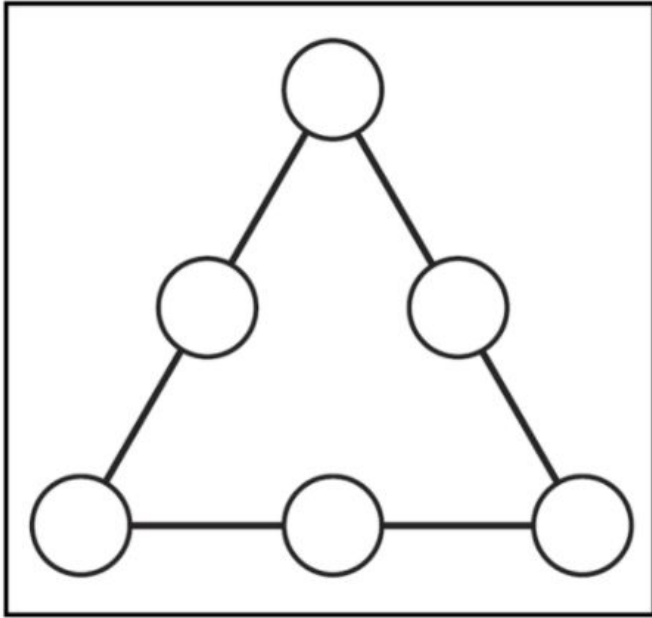


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It doesn't have
to always be
maths related.

Examples

Triangle problem

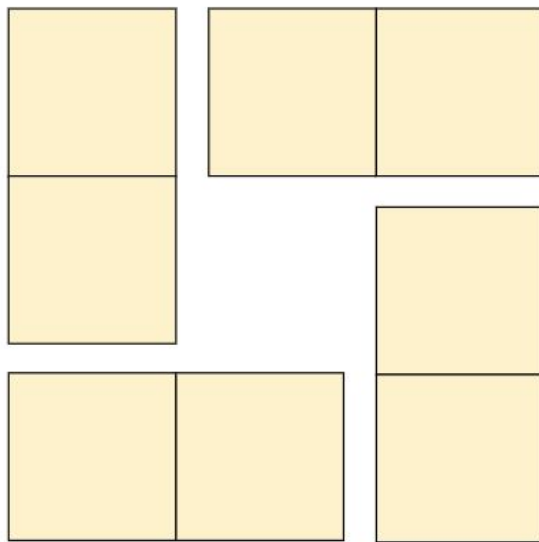
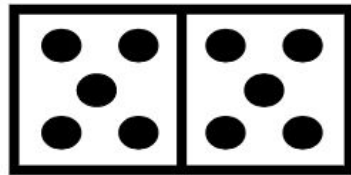
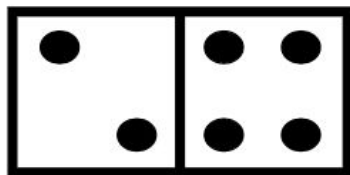
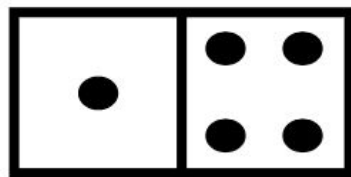
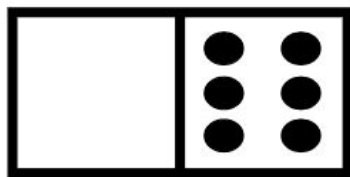


You will need this sheet, six counters with the numbers 1, 2, 3, 4, 5 and 6 written on them.

Can you arrange the counters so that each side totals 9?

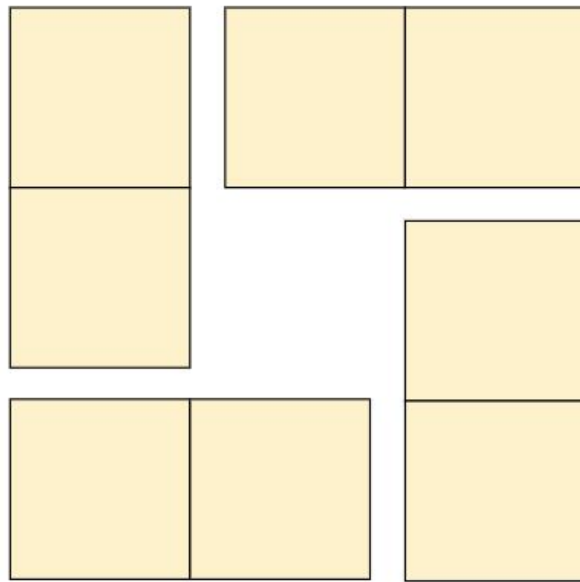
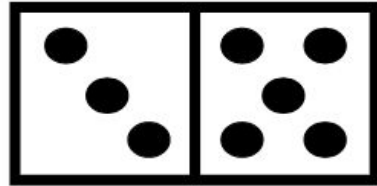
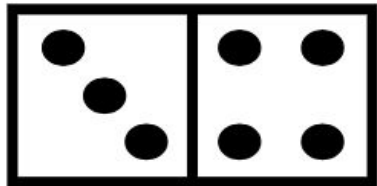
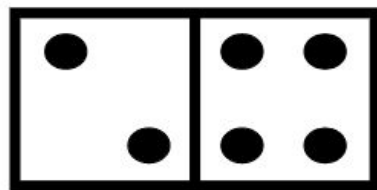
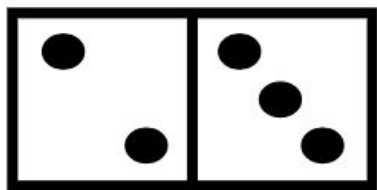
The total of each column and row is 10.

Can you make the columns and rows total 10 by using these dominoes?



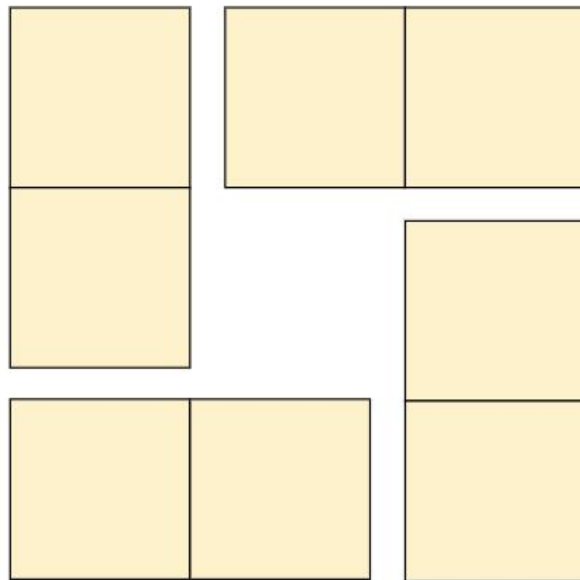
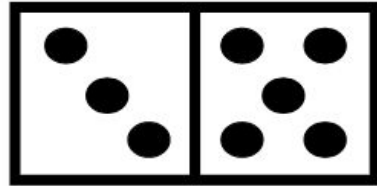
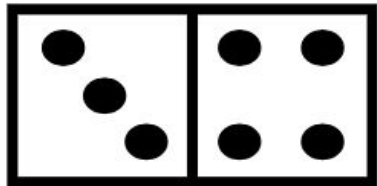
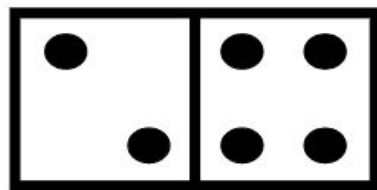
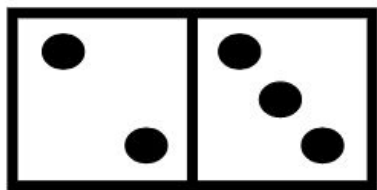
The total of each column and row is 10.

Can you make the columns and rows total 10 by using these dominoes?



The total of each column and row is 10.

Can you make the columns and rows total 10 by using these dominoes?



Have a go...



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

1. Shaun's number is greater than 20.
2. Shaun's number is even.
3. Shaun's number has the same digit in the 'units' column and the 'tens' column.



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

Word Problems - KS1



Abi had 80p in her purse. Then she lost one of the coins. How much altogether could be left in her purse? Write down all the different amounts.

Word Problems - KS2

Row of coins



Take five coins: 1p, 2p, 5p, 10p, 20p.

Put them in a row using these clues.

The total of the first three coins is 27p.

The total of the last three coins is 31p.

The last coin is double the value of the first coin.

