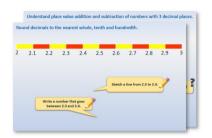
Week 14, Day 4

Number puzzles (2)

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the Learning Reminders.



Tackle the questions on the Practice Sheet.
 There might be a choice of either Mild (easier) or Hot (harder)!
 Check the answers.

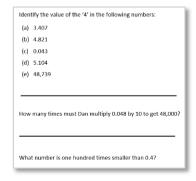


3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

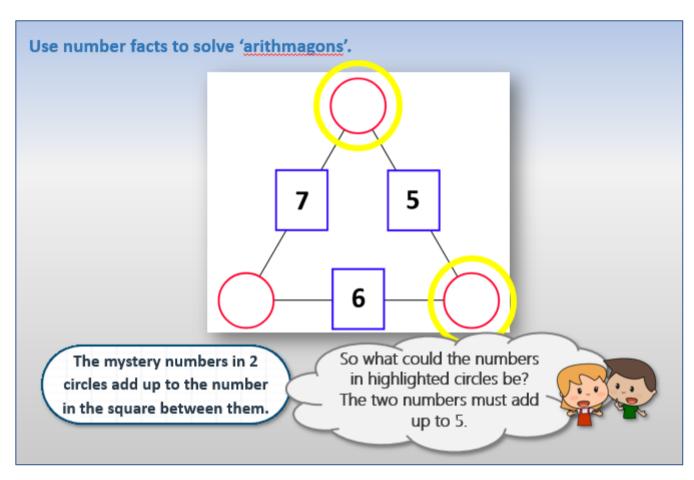


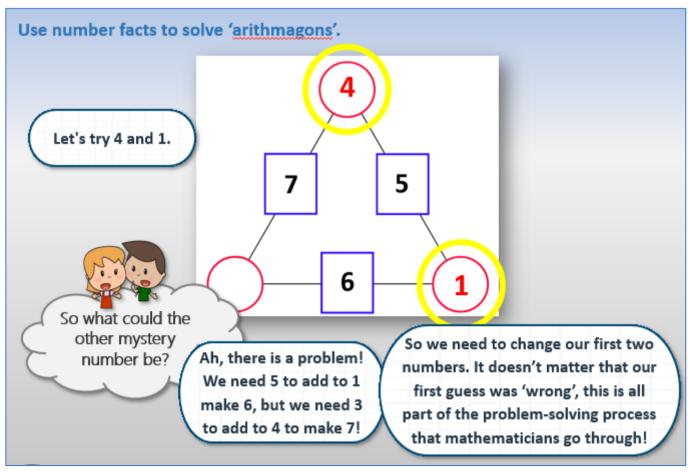
4. Have I mastered the topic? A few questions to **Check your understanding**.

Fold the page to hide the answers!

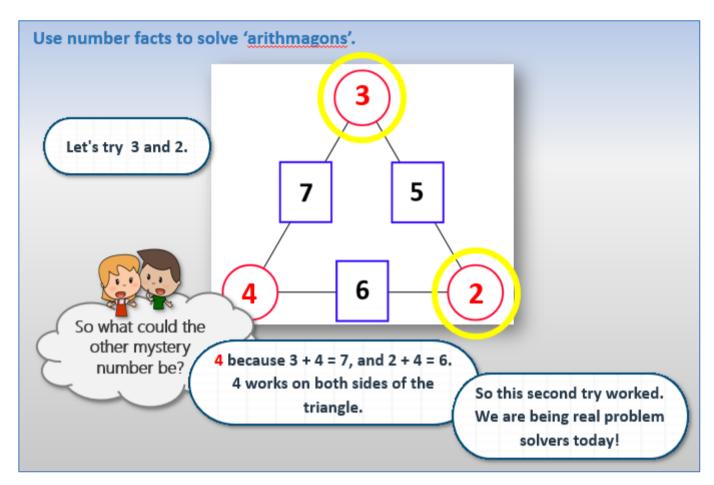


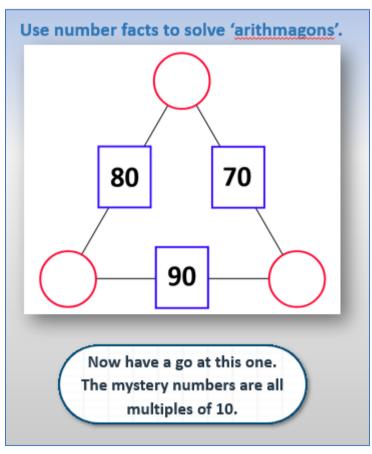
Learning Reminders

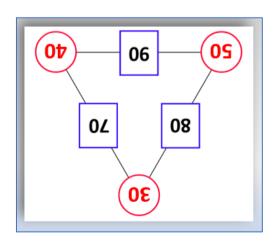




Learning Reminders

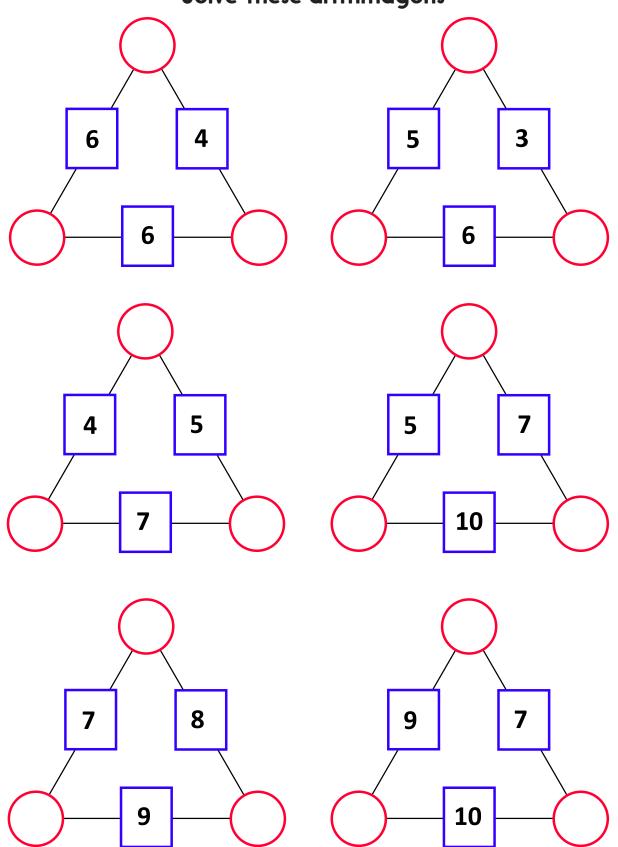






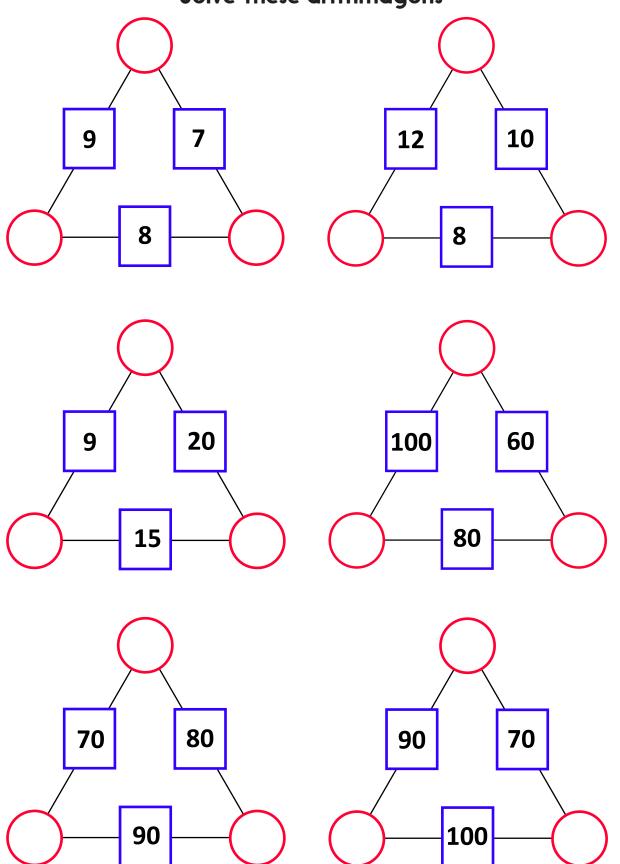
Practice Sheet Mild

Solve these arithmagons



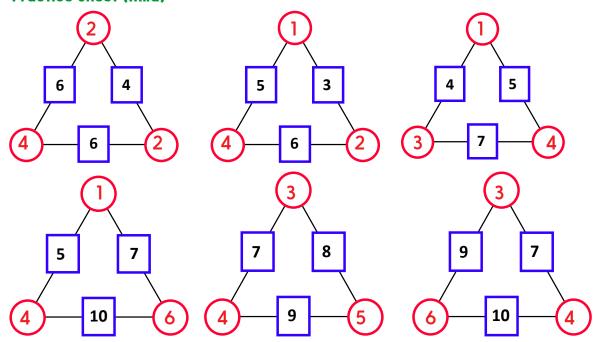
Practice Sheet Hot

Solve these arithmagons

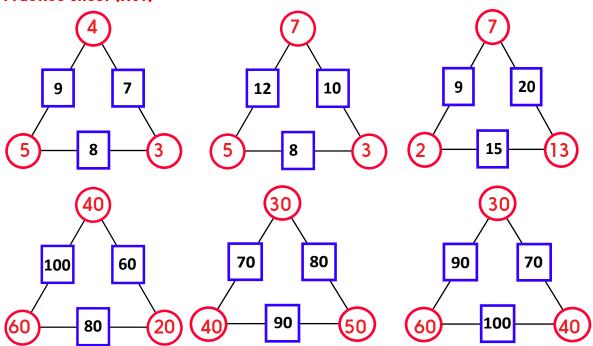


Practice Sheet Answers

Practice Sheet (Mild)



Practice Sheet (Hot)





Things you will need:

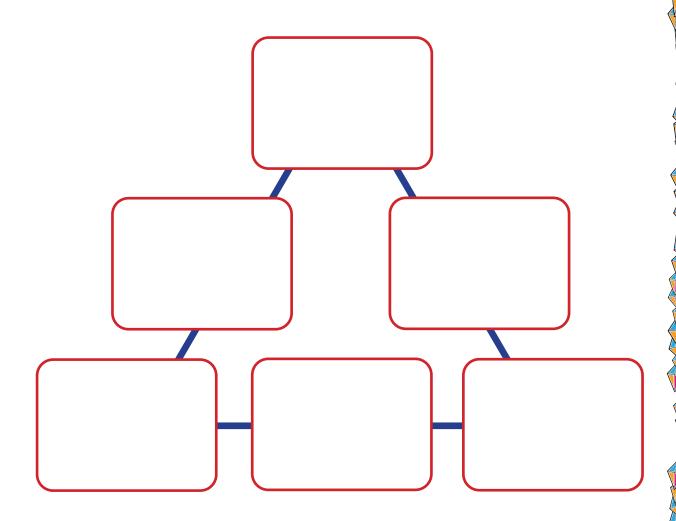
• 1-6 number cards



What to do:

Your challenge is to arrange the six number cards in a triangle so that the total of each side is 10.

It will need some trial and improving!



HINT:

Think about where to put 6.
It needs to ONLY affect one row.
Then it needs small numbers either side.

A Bit Stuck?
Testing triangle

1 2 3

Check your understanding:

Questions

Write the missing numbers:

$$6 + 8 + = 20$$

$$7 + 4 = 18$$

$$+45 + 25 = 100$$

Write three possible pairs of missing numbers:

100				
60	?	?		

Write three possible pairs of missing numbers:

80				
30	?	?		

Fold here to hide answers:

Check your understanding:

Answers

Write the missing numbers.

$$6 + 8 + 6 = 20$$

$$7 + 7 + 4 = 18$$

$$30 + 45 + 25 = 100$$

Write three possible pairs of missing numbers:

100			
60	?	?	

Any pair of numbers with a total of 40, e.g. 40 and 0, 30 and 10, 27 and 13...

Write three possible pairs of missing numbers:

80				
30	?	?		

Any pair of numbers with a total of 50, e.g. 30 and 20, 25 and 25, 42 and 8...