

Robert Mellors Primary Academy - Year 5 Maths Home Task

In class you have been practising applying what you know about maths to different problem-solving activities. Have a go at solving the problems below. Remember to show your working out and to explain to someone in your house how you got to your answer.

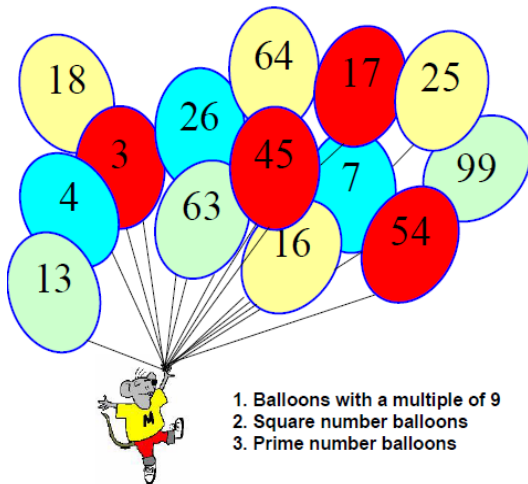
Answers are on a separate sheet – no cheating!



Puzzle time

Balloon bursting

If a number in one of the balloons is included in the answers to the four problems below then that balloon will fly away.



1. Balloons with a multiple of 9
2. Square number balloons
3. Prime number balloons

WHICH BALLOON IS LEFT?



Puzzle time

A square triangle ??????????

This is a problem for our older puzzlers.

It may seem very peculiar to you but I've just drawn a triangle where all the angles are square.

No, I don't mean right angles or 90° - that's impossible!

What I do mean is that each angle, measured in degrees, is a square number.

Can you tell me how many degrees each of the angles is?

Help!



Clue: the total of the three angles in a triangle is 180° .



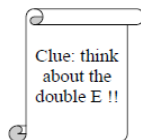
Puzzle time

Ten tents

A little bit of logical thinking needed for this one, I think!

Each letter is worth a number of points. The points are added up to make the total for the word.

Try to work out the number of points for each letter and then find the value of the last word.



$$\text{TEE} = 4$$

$$\text{TEN} = 6$$

$$\text{NEST} = 10$$

$$\text{TENTS} = ?$$



How many points would TENTS get?

You can also visit the White Rose site through the link on our website. This gives you a lesson a day on the areas we should be working on at the moment. They are great activities and the answers are there too.

If you find the tasks too hard then try the year 4 tasks, too easy then go up to year 6.