Saturn class squares weekly maths challenges.

Have fun having a go at these mental maths challenges. Complete one a day, then try to create one similar using the same method but with different numbers. Remember perseverance is key when facing challenges! Good luck. If you manage to create your own and want me to try to solve them, send a photo to [gemma.dimond@fishwick.lancs.sch.uk](mailto:gemma.dimond@fishwick.lancs.sch.uk).

Challenge 1

Which number between 20 and 30 has no remainder when divided between 3 and 4?

Challenge 2

Mary is blowing up balloons for a party. She has blown up twice as many red balloons as green balloons, but she has 5 less red balloons than yellow balloons.

If Mary has blown up 17 yellow balloons, how many green balloons does she have?

Challenge 3

Matthew loves lollipops. If lollipops are 15 pence each and candies are 20 pence each, what is the greatest number of lollipops Matthew could buy for £2.50?

Challenge 4

There are three baskets, a brown one, a red one and a pink one, holding a total of ten eggs.

The Brown basket has one more egg in it than the Red basket.

The Red basket has three eggs less than the Pink basket.

How many eggs are in each basket?

Challenge 5

Every row, column and mini grid must contain the numbers 1-4. Don’t guess-use logic!

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | 3 |  |
|  | 4 |  |  |
|  |  | 1 |  |
|  | 2 |  |  |