Here is a mathematics quiz from my colleague Zephyr Rosin. Solutions will be posted soon – have a go yourselves first !

**Question 1**

Add one straight line to the left-hand side of this equation, and **make this sum *equal* 550**.

5 + 5 + 5 = 550

**Question 2**

Here is an example of adding three instances of the same number to give the answer 60:

20

20

|  |
| --- |
| 60 |

+20

Can you write a similar sum, also equalling 60, which uses only three identical *numerals* in its terms?

*Hint:* A *numeral* is an individual digit: 1 is a numeral however 20 is a number consisting of two numerals.

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**Question 3**

Rearrange these numbers and symbols to make a correct equation.

5+=342

**Question 4**

The table below has ten lines. For each line, insert appropriate mathematical operators in order to make a correct equation, whose right-hand side (i.e. answer) must be 6.

*Hint:* You may use the operators +, -, ×, ÷, (), !, √

0 0 0 =6

1 1 1 =6

2 2 2 =6

3 3 3 =6

4 4 4 =6

5 5 5 =6

6 6 6 =6

7 7 7 =6

8 8 8 =6

9 9 9 =6