**Numeracy- This week we are looking at patterns and relationships. The first half of the tasks are revision and the second half is new tasks.**

**Online Task**

Here are some games to play this week:

* [Pattern Game](https://www.mathsisfun.com/algebra/pattern-match-numbers.html) (Try to increase the difficulty each time)
* [shape patterns](https://www.topmarks.co.uk/ordering-and-sequencing/shape-patterns)

Log on to Education City for more games linked to money through glow.

You can also use sum-dog at any point with regular challenges being placed.

**Written tasks**

**Wizard Challenge!**

How many sums can you create to make the answer of **36**. Using addition, subtraction, multiplication and division .

Chilly Challenge

**2x4= 13x3= 26x4=**

**18÷2= 44÷4= 15x6=**

**Revision**

**C**omplete the following table by identifying the place and value of the underlined digit.

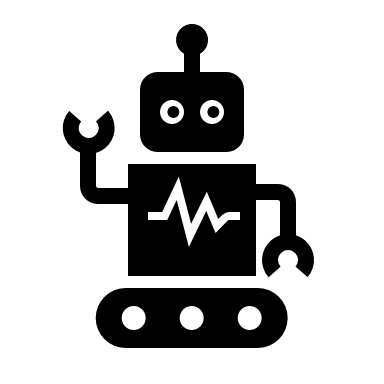
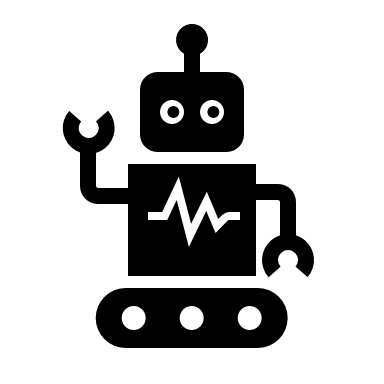
|  |  |  |
| --- | --- | --- |
| **Place value Revision** | | |
| **Number** | **Place** | **Value** |
| Eg. 2821 | Units | 1 |
| 4482 |  |  |
| 3732 |  |  |
| 1811 |  |  |
| 3890 |  |  |
| 9182 |  |  |
| 8221 |  |  |
| 2920 |  |  |
| 3652 |  |  |
| 7321 |  |  |

**Sequence and Relationships**

Complete the following colour patterns

|  |  |  |  |  |  |  |  |  |  |
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Work out what each robot is doing to the first numbers (what have they added or subtracted)

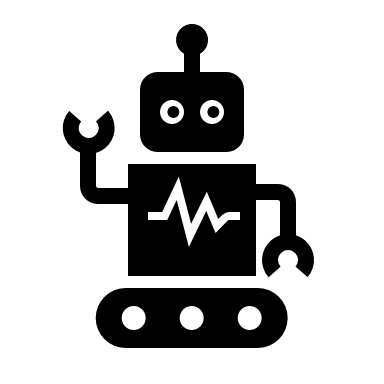


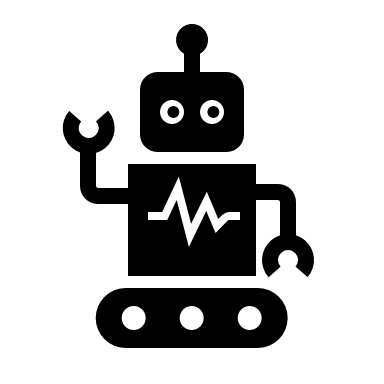
**7**

**2**

**14**

**6**



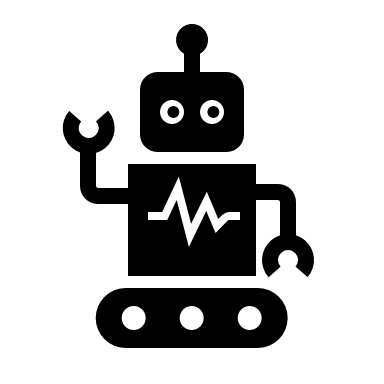
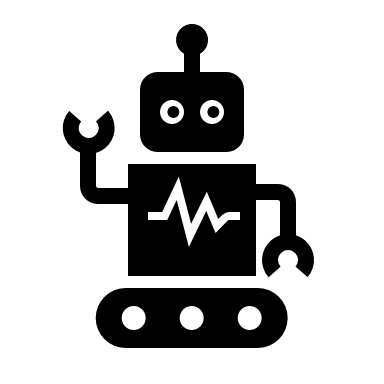


**92**

**71**

**19**

**12**



**103**

**82**

**52**

**63**

Work out what is being done in each of the number sequences.

|  |  |
| --- | --- |
| 1, 3, 5, 7, 9, 11 | +2 |
| 2, 6, 10, 14, 18, 22 |  |
| 89, 85, 81, 77, 73, |  |
| 1, 2, 4, 8, 16, 32 |  |
| 22, 30, 38, 46, 54, 62 |  |
| 101, 99, 97, 95, 93, 91 |  |
| 22, 33, 44, 55, 66, 77, 88 |  |
| 1, 3, 9, 27, 81. |  |

**Finish the following number sequences**

1. 2, 6, 10, \_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_
2. 24, 21, 18, \_\_\_\_\_, \_\_\_\_, \_\_\_\_
3. 89, 91, 93, \_\_\_\_\_\_, \_\_\_\_, \_\_\_\_\_
4. 101, 106, 111, \_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_
5. 292, 289, 286, \_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_\_
6. 191, 201, 211, \_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_\_
7. 1, 101, 201, \_\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_\_
8. 798, 788, 778, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_\_\_\_
9. 282, 332, 382, \_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_
10. 982, 881, 780, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_\_