Solar System

# Code

**Breaker**

**Amazing Fact**

The sun is so big that it could fit approximately 1.3 million Earths inside it (if they were squashed up).

Crack the codes on the following page using the table below to work out the solar system words.

**Challenge**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **a** | **b** | **c** | **d** | **e** | **f** | **g** | **h** | **i** | **j** | **k** | **l** | **m** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **n** | **o** | **p** | **q** | **r** | **s** | **t** | **u** | **v** | **w** | **x** | **y** | **z** |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

You could also try an even bigger challenge. Can you

find out:

* what the biggest planet is in our Solar System;
* how far away Earth is from the Sun.

**Solar System**

## Code

**Breaker**

|  |  |  |
| --- | --- | --- |
| 20 **-** 1 | = |  |
| 13 **+** 7 | = |  |
| 16 **-** 15 | = |  |
| 12 **+**  6 | = |  |
| 9 **+**  10 | = |  |

|  |  |  |
| --- | --- | --- |
| 12 **-** 9 | = |  |
| 7 **+** 8 | = |  |
| 5 **+**  8 | = |  |
| 12 **-**7 | = |  |
| 12 **+**  8 | = |  |
| 15 **+**  4 | = |  |

Word: Word:

|  |  |  |
| --- | --- | --- |
| 10 **+**  4 | = |  |
| 15 **-** 10 | = |  |
| 8 **+**  8 | = |  |
| 20 **+**  0 | = |  |
| 25 **-** 4 | = |  |
| 7 **+**  7 | = |  |
| 13 **-**8 | = |  |

|  |  |  |
| --- | --- | --- |
| 6 **+**  7 | = |  |
| 16 **-**11 | = |  |
| 10 **+**  8 | = |  |
| 7 **-** 4 | = |  |
| 14 **+**  7 | = |  |
| 26 **-** 8 | = |  |
| 31 **-** 6 | = |  |

Word: Word:

Remember to look carefully at the signs to see what type of sum you are finding the answer to. Is it an

**addition +** or **subtraction –** sum? You can use a number line or objects to help you find each answer.

GOOD LUCK!

**Solar System**

**Code**

**Breaker**

# Answers

|  |  |  |
| --- | --- | --- |
| 20 - 1 | = | **19** |
| 13 + 7 | = | **20** |
| 16 - 15 | = | **1** |
| 12 + 6 | = | **18** |
| 9 + 10 | = | **19** |

|  |  |  |
| --- | --- | --- |
| 12 - 9 | = | **3** |
| 7 + 8 | = | **15** |
| 5 + 8 | = | **13** |
| 12 - 7 | = | **5** |
| 12 + 8 | = | **20** |
| 15 + 4 | = | **19** |

Word: **Stars** Word: **Comets**

|  |  |  |
| --- | --- | --- |
| 10 + 4 | = | **14** |
| 15 - 10 | = | **5** |
| 8 + 8 | = | **16** |
| 20 + 0 | = | **20** |
| 25 - 4 | = | **21** |
| 7 + 7 | = | **14** |
| 13 - 8 | = | **5** |

|  |  |  |
| --- | --- | --- |
| 6 + 7 | = | **13** |
| 16 - 11 | = | **5** |
| 10 + 8 | = | **18** |
| 7 - 4 | = | **3** |
| 14 + 7 | = | **21** |
| 26 - 8 | = | **18** |
| 31 - 6 | = | **25** |

Word: **Neptune** Word: **Mercury**

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