|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| +4 |  | -3 |  | +5 |

Hook

Change the number 3 to:

* 9 in 3 steps
* 16 in 3 steps
* 14 in 4 steps
* 22 in 4 steps
* 10 in 3 steps

Challenge – What other numbers can you change 3 to in 3 steps?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| +7 |  | X2 |  | -4 |

Group task

Change the number 12 to:

* 9 in 3 steps
* 16 in 3 steps
* 14 in 4 steps
* 22 in 4 steps
* 10 in 3 steps

Challenge – What other numbers can you change 12 to using 4 steps?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| +0.7 |  | X2 |  | -0.4 |

Task 1

Change the number 1.2 to:

* 3.4 in 3 steps
* 5.5 in 3 steps
* 6.0 in 4 steps
* 5.4 in 4 steps
* 4.8 in 3 steps

Challenge

Change the number 1.2 to a number less than 5 using 4 steps? Find 3 different solutions.

Task 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| +0.12 |  | X 3 |  | -0.23 |

Change the number 4.56 to:

* 13.35 in 3 steps
* 14.92 in 3 steps
* 14.16 in 3 steps
* 12.30 in 3 steps
* 12.76 in 3 steps

Challenge

Change the number 4.56 to a number greater than 13 in no more than 4 steps. How many possible solutions can you find?

Task 3

Jamie has changed the numbers below in 2 steps. Can you work out what steps he has used?

7.2 to 11.2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

3 to 20

1 to 4.2

5 to 20.2

0.4 to 0.8