4-DIGIT ADDITION AND SUBTRACTION CHALLENGE 3

Work out the value of the missing digits and write them in.

1) Use the digits 1, 2, 3, 4, 5, 6, 7 and 8 each time to make the **largest** possible answers.

☐☐☐☐ + ☐☐☐☐

☐☐☐☐ − ☐☐☐☐

2) Use the digits 1, 2, 3, 4, 5, 6, 7 and 8 each time to make the **smallest** possible answers.

☐☐☐☐ + ☐☐☐☐

☐☐☐☐ − ☐☐☐☐

4-DIGIT ADDITION AND SUBTRACTION CHALLENGE 3 ANSWERS

1) Use the digits 1, 2, 3, 4, 5, 6, 7 and 8 each time to make the **largest** possible answers.

For the **addition challenge**, any answer where the 8 and 7 are in thousands place, the 6 and 5 are in the hundreds place, the 4 and 3 are in the tens place and the 2 and 1 are in the ones place. The answer will be 16,173. **Examples:**

| 8642 + 7531 | 8541 + 7632 |

For the **subtraction challenge**, there is **only one answer** which is: 8765 – 1234 = 7531.

| 8765 - 1234 |

2) Use the digits 1, 2, 3, 4, 5, 6, 7 and 8 each time to make the **smallest** possible answers.

For the addition challenge, any answer where the 1 and 2 are in the thousands place, the 3 and 4 are in the hundreds place, the 5 and 6 are in the tens place and the 7 and 8 are in the ones place. The answer will be: 3825. Examples:

| 1357 + 2468 | 1467 + 2358 |

For the **subtraction challenge**, there is **only one answer** which is: 5123 - 4876 = 247. This is a good challenge to develop trial and improvement skills, but quite tricky to find the correct answer!

| 5123 - 4876 |