LO: To use written to add and subtract decimals (bronze)

Practise Complete these calculations:
1) 574.54 + 64.67
2) 4736.21 – 76.37
3) 123.75 + 48.28
4) 500.00 – 328.74
5) 23.7 + 783.72
6) 458.92 – 98.42
7) 874.6 + 57.28
8) 4859.3 – 39.84

Fluency
9) Work out the missing number: 18.37 + 47.38 = 92.71 - _____

74.8 + _____ = 675.8 – 364.2

272.8 + _____ = 655.3 – 173.4

10) Liam had £63.72 and spent £14.80. Kevin had £44.48 and spent £1.08. Who has more money now and by how much?

11) Mrs Brown stays in a hotel for two nights. The hotel costs £37.89 per night. How much change did she get from £100?

Reasoning

12)   Annie has worked out 12 – 4.8 in her head.

The answer is 8.2

Annie

What mistake has Annie made?

LO: To use written to add and subtract decimals (silver)

Practise Complete these calculations:
1) 874.6 + 57.28
2) 4859.3 – 39.84
3) 784.63 + 2893.72
4) 980.62 – 79.84
5) 584.83 + 46482.4
6) 863.5 – 4.73

Fluency
7) Work out the missing number:

74.8 + _____ = 675.8 – 364.2

51.72 + _____ = 78.52 – _____

8) Liam had £63.72 and spent £14.80. Kevin had £44.48 and spent £1.08. Who has more money now and by how much?

Reasoning
9) Two numbers have a difference of 2.38. The smaller number is 3.12. What is the bigger number? Explain how you know.

10) Write two numbers that add together to make £20 where no digit is the same in either of the two numbers. Explain how you did it.

Problem solving

11)

The mass of a bag of marbles is 54.3 g.

These two marbles are removed from the bag.

7.2 g   14.54 g

What is the mass of the bag of marbles now?

LO: To use written to add and subtract decimals (gold)

Practise Complete these calculations:
1) 784.63 + 2893.72
2) 980.62 – 79.84
3) 584.83 + 46482.4
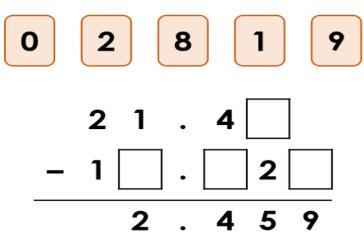4) 863.5 – 4.73

Fluency
5) Work out the missing number:
18.37 + 47.38 = 92.71 - _____

21.03 + _____ = 64.23 - _____

6) Liam had £63.72 and spent £14.80. Kevin had £44.48 and spent £1.08. Who has more money now and by how much?

Reasoning
7)   **7a. Use the digit cards to complete the subtraction calculation.**

| 0 | 2 | 8 | 1 | 9 |

```
    2  1 . 4 □
  - 1 □ . □ 2 □
  _____
    2 . 4 5 9
```

8) Two numbers have a difference of 2.38. The smaller number is 3.12. What is the bigger number? Explain how you know.

9) Write two numbers that add together to make £20 where no digit is the same in either of the two numbers. Explain how you did it.

Problem Solving
10) Can you use five of the digits 1-9 to make this number sentence true? __ __ . __ + __ . __ = 31.7 Can you find other sets of five of the digits 1-9 that make the sentence true?

11) Two numbers have a difference of 2.3. To the nearest 10, they are both 10. What could the numbers be? How many different combinations can you find?

LO: To use written to add and subtract decimals (bronze) - answers

Practise Complete these calculations:

1) 639.21

2) 4659.84

3) 172.03

4) 171.26

5) 807.42

6) 360.50

7) 931.88

8) 4819.46

Fluency

9) Work out the missing number: 18.37 + 47.38 = 92.71 - ___26.96___

74.8 + __236.8__ = 675.8 – 364.2

272.8 + __209.1__ = 655.3 – 173.4

10) Liam has £5.52 more

11) £24.22

Reasoning

12) The answer should be 7.2. Annie has done 12 – 4 = 8 and 1 – 0.8 = 0.2 but it should be 12 – 4 = 8 – 0.8 = 7.2

LO: To use written to add and subtract decimals (silver) - answers

Practise Complete these calculations:
1) 931.88
2) 4819.46
3) 3678.35
4) 900.78
5) 47067.23
6) 858.77

Fluency
7) Work out the missing number:

74.8 + __236.8__ = 675.8 – 364.2

Varies

8) Liam has £5.52 more

Reasoning
9) 5.5 – Add the difference on to the smaller number

10) Answers will vary

Problem solving

11) 32.66

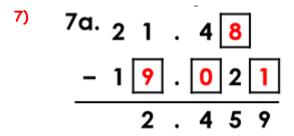<u>LO: To use written to add and subtract decimals (gold) - answers</u>

Practise Complete these calculations:

1) 3678.35
2) 900.78
3) 47067.23
4) 858.77

Fluency
5) Work out the missing number:

18.37 + 47.38 = 92.71 - ___26.96___

Varies

 6) Liam has £5.52 more

Reasoning

7)

7a.

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     2 1 . 4 [8]
  -  1 [9] . [0] 2 [1]
  ─────────────
     2 . 4 5 9
```

8) 5.5 – Add the difference on to the smaller number

9) Answers will vary

Problem Solving
10) Can you use five of the digits 1-9 to make this number sentence true? __ __ . __ + __ . __ = 31.7 One possible answer is 24.6 + 7.1

11) Answers will vary e.g. 8.4 and 10.7