Maths Mastery Money – Answers

1. 295 1p coins

£1, £1, 20p × 4, 10p, 5p, (or 2p, 2p, 1p)

£2, 20p × 4, 10p, 5p

£1, £1, 10p × 9, 5p (or 2p, 2p, 1p)

£2, 10p × 9, 2p, 2p, 1p

50p × 5, 20p, 20p, 5p, (or 2p, 2p, 1p)

10p × 20, 5p × 19

5p × 59

2p × 147, 1p

10p × 19, £1, 5p

Least amount of coins £2, 50p, 20p, 20p, 5p

2. Postcard + lolly + ice cream = £1.35,

Postcard + lolly + cola = £1.15,

Cake + postcard + lolly = £1.80.

3. Totals:

50p+50p+50p = £1.50

20p+10p+10p = 40p

50p+10p+10p = 70p

50p+50p+20p = £1.20

10p+10p+10 = 30p

50p+10p+5p = 65p

50p+20p+20p = 90p

10p+10p+5p = 25p

50p+5p+5p = 60p

20p+20p+20p = 60p

10p+5p+5p = 20p

20p+20p+20p = 60p

5p+5p+5p = 15p

4. 30p, 45p, £1.10, £1.25, £1.40, £2.05, £2.10, £2.20, £2.25, £2.40, £3.05, £3.20, £4.00, £4.05, £4.20, £5.00

5. Splat Gun (52p), Jack in the box (45p) and pencil sharpener (3p)

6. With 1 pences, 2 pences and 5 pences he could have paid: 11p, 12p, 13p, 14p, 15p, 16p, 17p, 18p, 19, 20p, or 23p.

With 5 pences, 10 pences and 50 pences he could have paid: 80p, 85p, 90p, 95p or £1.25, £1.30, £1. 35, £1.70, £1.75, £2.15

7.

Pencils = 3

Pens = 12

8. The amount of money they had found was £240.

The difference between one third of the sum of money and one quarter of it is £20. So one twelfth of the sum of money is £20.