

Mrs. Gregory & Mrs. Postlethwaite's group – Reasoning and problem solving answers

Bronze

- 1a. £5.90, £6.00, £6.10, £6.20 or £6.30
2a. £2.36, £3.36 or £5.36
3a. Holly has the most because $2 \times 50\text{p} = 100\text{p}$ and $6 \times 10\text{p} = 60\text{p}$

- 1b. £1.60, £1.70, £1.80 or £1.90
2b. £1.70, £4.70 or £7.70
3b. Max has the most because $1 \times 50\text{p} = 50\text{p}$ and $4 \times 10\text{p} = 40\text{p}$

Silver

- 4a. £24.00, £24.50, £25.00, £25.50, £26.00, £26.50, £27.00 or £27.50
5a. Various possible answers including; £4.13, £4.14, £4.15, £4.31, £4.34, £4.35, £4.41, £4.43, £4.45, £4.51, £4.53, £4.54
6a. Wayne has the most because $4 \times 50\text{p} = 200\text{p}$ and $5 \times 20\text{p} = 100\text{p}$

- 4b. £23.00, £23.50, £24.00, £24.50 or £25.00
5b. Various possible answers including; £6.42, £6.44, £6.47, £7.42, £7.44, £7.46
6b. Molly has the most because $2 \times 200\text{p} = 400\text{p}$ and $3 \times 100\text{p} = 300\text{p}$

Gold

- 7a. £15.70, £15.80, £15.90, £16.00 or £16.10
8a. Various possible answers including; £2.46, £2.48, £2.64, £2.68, £2.84, £2.86, £4.26, £4.28, £4.62, £4.68, £4.82, £4.86, £6.24, £6.26, £6.42
9a. Kath has the most because $3 \times 20\text{p} = 60\text{p}$, so she has £10.60 which is more than the £10.50 Sophie has.

- 7b. £26.00, £26.10 or £26.20
8b. Various possible answers including; £5.91, £5.94, £9.14, £9.15, £9.41, £9.45, £9.51, £9.54
9b. Olly has the most because $4 \times 50\text{p} = 200\text{p}$ or £2.00, so he has £7.00 which is more than the £6.80 Annie has.