Miss Hughes' group – Gold reasoning and problem solving

**7a. Add two amounts together to make a total less than £13.**

A. Three 50p coins, Seven 1p coins, Three £1 coins, One 2p coin

B. 794p

C. Twenty-four 2p coins, One £5 note, Nine 20p coins

D. £10 and 82p

E. Eight 20p coins, One 50p coin, Nine 1p coins

F. £6 and 51p

GD Find at least four possibilities. PS

**7b. Add two amounts together to make a total more than £17.**

A. 803p

B. Four £1 coins, Nine 1p coins, Six 20p coins, Three 50p coins

C. £12 and 68p

D. Seven 5p coins, One 2p coin, Eighteen 50p coins, Two £2 coins

E. £9 and 37p

F. 211p

GD Find at least four possibilities. PS

**8a. Hugo has made £15 and 15p below by adding two amounts of money together.**

577p + £9 and 38p = £15 and 15p

I used 16 coins and 2 notes.

Find another way he could make £15 and 15p by adding two amounts together, using an even amount of coins between 10 and 20 and an odd amount of notes.

GD PS

**8b. Jasmine has made £18 and 73p below by adding two amounts of money together.**

£12 and 94p + 579p = £18 and 73p

I used 14 coins and 2 notes.

Find another way she could make £18 and 73p by adding two amounts together, using five times as many coins as notes.

GD PS

**9a. Xander has used this bar model to represent an addition.**

| Eight £1 coins, Seven 1p coins, Fifteen 20p coins | |
|---|---|
| £3 and 73p | 754p |

He thinks he has lost three coins which all have the same value.
Do you agree? Explain your reasoning.

GD R

**9b. Zoe has used this bar model to represent an addition.**

| Three 1p coins, Two 2p coins, Eight £2 coins | |
|---|---|
| £12 and 64p | 398p |

She thinks she has lost a coin with an even value and a coin with an odd value.
Do you agree? Explain your reasoning.

GD R