Miss Hughes' group - Gold reasoning and problem solving

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

Three 50p coins Seven 1p coins Three £1 coins One 2p coin

D.(£10 and 82p

В. 794p

Eight 20p coins One 50p coin Nine 1p coins

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

£6 and 51p

Find at least four possibilities.

F.

E.

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

E.

F.

803p

Seven 5p coins One 2p coin Eighteen 50p coins Two £2 coins

Four £1 coins R Nine 1p coins Six 20p coins Three 50p coins

£9 and 37p

C. £12 and 68p

211p

Find at least four possibilities.

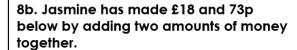
8a. Hugo has made £15 and 15p below by adding two amounts of money together.

$$577p + £9$$
 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.



£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.



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

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

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

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

He thinks he has lost three coins which all have the same value.

Do you agree? Explain your reasoning.



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

