Max the Monkey's Number Bond Challenge

Learning objective: To recall and use number bonds to 100 and related subtraction facts to solve mathematical problems.

Read each question carefully. Max the Monkey needs your help to solve these puzzles. Show your working out clearly.

Max the Monkey is collecting shiny pebbles for his collection. He likes to keep them in groups of 100 to make them easier to count. Help Max solve his pebble puzzles!

Word bank: Number bond · Total · Difference · Partition · Equal

1. Max has 40 pebbles. How many more does he need to make 100? (2 marks)

2. If Max has 100 pebbles and gives 25 to his friend, how many does he have left? Show your working. (3 marks)

3. Max found 35 pebbles on Monday and 65 pebbles on Tuesday. Explain how you know he has exactly 100 pebbles in total. (4 marks)

4. Complete the number sentences: a) 72 + ___ = 100. b) 100 - 18 = ___. (4 marks)

5. Max wants to buy a banana snack that costs 60p. He has a £1 coin. How much change should he receive? Use your knowledge of number bonds to 100 to help you. (7 marks)

6. Max says: 'If I know that 3 + 7 = 10, then I know that 30 + 70 = 100.' Write a short paragraph explaining why Max is correct and how this helps us with larger numbers. (5 marks)

Draw: Draw a picture of Max the Monkey with two piles of pebbles that add up to 100, and label the piles with the amounts.

Extension challenge: Total: /25