

Max's Magnificent Decimal Market

Learning objective: To recognise, write, and compare decimals with tenths and hundredths.

Read about Max's trip to the market and use your knowledge of place value to solve the puzzles below. Remember that a decimal point separates the whole pounds from the pence!

Max the monkey is visiting the local market to buy ingredients for a fruit salad. He has £5.00 to spend. He notices that a single punnet of strawberries costs £2.45. He also finds a bag of shiny apples for £1.30. Max knows that 2.45 is the same as 2 wholes, 4 tenths, and 5 hundredths. He carefully checks the prices to make sure he has enough change left over to buy a bunch of bananas for £0.85.

Word bank: Decimal point · Tenths · Hundredths · Place value · Equivalent · Fraction · Partition

1. Using the information in the passage, write the price of the strawberries (£2.45) in words. (2 marks)

2. If Max buys the strawberries for £2.45 and the apples for £1.30, what is the total cost of his fruit? (2 marks)

3. Max says that 0.5 is the same as 50 hundredths. Is he correct? Explain how you know. (2 marks)

4. Which is greater: £1.30 or £1.03? Explain your reasoning using your knowledge of place value. (2 marks)

5. Max wants to partition the price of the bananas (£0.85). Complete this: $0.85 = 0.8 + \underline{\quad}$ (1 mark)

Draw: Draw a set of coins that would represent exactly £1.64. Label the pounds and the hundredths (pennies) clearly.



Extension challenge: Max finds a rare golden apple that costs exactly 1.75 times more than the £2.00 price of a melon. Calculate the cost of the golden apple.