

# Max's Market Stall: Exploring Decimals

*Learning objective: Recognise and write decimal equivalents of any number of tenths or hundredths.*

Read about Max's fruit stall below. Use your knowledge of place value to solve the decimal problems. Remember to use the £ symbol for all money-related answers.

Max the monkey has opened a fruit stall in the forest. He sells juicy berries for £0.10 each and crunchy apples for £0.05 each. Max likes to keep his records organised. He noticed that 10 of his £0.10 berries make exactly £1.00. He also knows that 20 of his £0.05 apples make £1.00. Max says, 'If I have 7 berries, that is 0.7 of a pound, but if I have 7 apples, that is only 0.35 of a pound!'

*Word bank: tenths · hundredths · decimal point · place value · equivalent · fraction*

**1. Max sold 4 berries. Write this amount as a decimal in pounds (£). (1 mark)**

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**2. If an apple costs £0.05, how much would 6 apples cost in total? Show your working out. (2 marks)**

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**3. Max has 0.8 of a pound in his coin tray. How many £0.10 berries could he buy with this money? (2 marks)**

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**4. Explain why 0.50 is the same as 0.5. Use the words 'tenths' or 'hundredths' in your answer. (2 marks)**

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**5. A pear costs £0.45. Write this as a fraction of a pound. (1 mark)**

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**Draw:** Draw a ten-by-ten grid (100 squares total). Colour in 25 squares to represent the decimal 0.25.



*Extension challenge: Max wants to buy a bunch of bananas that costs £1.25. If he only has coins worth £0.10 and £0.05, what is the smallest number of coins he could use to pay exactly £1.25?*