

# Max's Market Stall: Exploring Decimals

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

Read Max the monkey's market stall guide to decimals below. Use your knowledge of place value to answer the questions that follow.

Max the monkey is running a fruit market! He knows that decimals are just another way to write fractions. He uses a decimal point to separate the whole pounds from the pennies. For example, £1.50 is one pound and fifty pence. Max also measures his fruit in kilograms. If he has a 10cm ruler and cuts it into 10 equal pieces, each piece is 0.1 of the whole. If he divides one of those pieces into 10 even smaller pieces, he has hundredths, which we write as 0.01. Remember: 0.1 is the same as  $\frac{1}{10}$  and 0.01 is the same as  $\frac{1}{100}$ .

*Word bank: decimal point · tenth · hundredth · place value · fraction · equivalent*

**1. Max has a bunch of bananas that weighs 0.6kg. Write this decimal as a fraction. (1 mark)**

**2. If Max's apples cost £4.25, explain what the '2' in the tenths column represents in terms of money. (2 marks)**

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**3. Write the decimal that is equivalent to  $\frac{85}{100}$ . (1 mark)**

**4. Max has a tray of strawberries. 7 out of 10 are red. Write this as a decimal. (1 mark)**

**5. Is 0.5 greater than, less than, or equal to 0.05? Explain your reasoning using the words 'tenths' or 'hundredths'. (2 marks)**

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**Draw:** Draw a number line from 0 to 1. Mark the positions of 0.2, 0.5, and 0.8 on the line.



*Extension challenge: Max has 100 blueberries. He gives 35 to Pip the caterpillar. Write the number of blueberries Max has left as both a fraction and a decimal of his original total.*