

Max's Market Math: Understanding Decimals

Learning objective: To recognize and write decimal equivalents of any number of tenths or hundredths, and to understand the value of tenths and hundredths.

Max the monkey is helping at the local fruit stall today. Use your knowledge of place value and decimals to help him sort out the prices and weights of his produce.

Max has been busy labelling his fruit. He knows that $\frac{1}{10}$ is the same as 0.1 and $\frac{1}{100}$ is the same as 0.01. Remember to look closely at the columns for ones, tenths, and hundredths.

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

1. Max has a punnet of strawberries that weighs 0.6kg. Write this decimal as a fraction. (1 mark)

2. The price of a bag of apples is £2.45. Write down the digit that is in the hundredths column and explain what it represents. (2 marks)

3. Max picks up a bunch of bananas. He says it weighs 0.08kg. Write this as a fraction. (1 mark)

4. Compare these two numbers using $<$, $>$ or $=$. Explain your reasoning: 0.7 ____ 0.07 (2 marks)

5. A punnet of blueberries costs £3.19. If Max pays with a £5 note, how much change should he receive? Show your working out. (3 marks)

Draw: Draw a place value grid showing the number 4.26, and draw four whole apples, two strips of ten grapes, and six individual grapes to represent the value.



Extension challenge: Max has a bag of flour that weighs 1.5kg. If he adds 0.25kg more, what will the total weight be? Write your answer as a decimal.