

# Max's Market Day Measurement Challenge

*Learning objective: To solve problems involving converting between units of measurement (pounds/pence, metres/centimetres, and kilograms/grams).*

Help Max the monkey calculate the costs and measurements for his fruit stall. Show your working out clearly for each question.

Max the monkey is setting up his stall at the community market. He has 2 kilograms (kg) of bananas, which he sells in 500-gram bags. He also has a ribbon that is 4 metres (m) long to decorate his stall, and he needs to cut it into pieces that are 80 centimetres (cm) each. Finally, Max is selling apples for 45p each and pears for 60p each.

*Word bank: convert · equivalent · total · calculate · difference · estimate · mass · length*

**1. If Max has 2kg of bananas, how many 500g bags can he fill? Show your conversion. (2 marks)**

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**2. Max has a 4m ribbon. How many 80cm pieces can he cut from it? (Hint: 1m = 100cm) (2 marks)**

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**3. A customer buys 3 apples and 2 pears. How much does the total cost? Give your answer in pounds (£). (2 marks)**

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**4. If a customer pays with a £5 note for the items in the previous question, how much change should they receive? (2 marks)**

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**5. Max decides to add a display sign that is 120cm wide. If he has a piece of card that is 2m long, how much card will be left over after he cuts the sign? (2 marks)**

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**Draw: Draw Max's fruit stall. Include the sign that is 120cm wide and show the bags of bananas stacked neatly on the table.**



*Extension challenge: Max wants to sell a 'Fruit Bundle' containing 1kg of apples and 500g of pears. If apples cost £2.00 per kg and pears cost £3.00 per kg, what is the total price for one bundle?*