

# Max's Magnificent Measurement Market

*Learning objective: To convert between different units of measure, such as kilometres to metres and pounds to pence, and solve word problems involving money and length.*

Read the market stall scene below and help Max the monkey solve his maths puzzles. Remember: 1 kilometre = 1000 metres and £1 = 100 pence.

Max the monkey is helping at the village market. He has a stall selling colourful woven baskets and lengths of silk ribbon. He has a 3-kilometre roll of ribbon to cut into smaller pieces. A customer asks to buy 500 metres of ribbon. Max also sells his handmade baskets for £2.50 each. A local baker wants to buy two baskets and pays with a £10 note. Max needs to make sure he gives the correct change in pence.

*Word bank: convert · metres · kilometres · pence · total · calculate · equivalent*

**1. Max has 3 kilometres of ribbon. If he cuts off 500 metres, how many metres of ribbon does he have left? (2 marks)**

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**2. The baker buys two baskets at £2.50 each. What is the total cost in pounds? (1 mark)**

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**3. If the baker pays with a £10 note, how much change should Max give back? Write your answer in pence. (2 marks)**

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**4. Is 1500 metres more or less than 1 kilometre? Explain your reasoning. (2 marks)**

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**5. Max wants to sell a special rug that costs £4.75. How would you write this amount using only pence? (1 mark)**

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**Draw: Draw Max the monkey standing at his market stall. Label the ribbon with its length in kilometres and the baskets with their price in pounds.**



*Extension challenge: Max finds a piece of ribbon that is 2500 metres long. Can you write this length in kilometres using a decimal point? (Hint: 2500 metres is 2 and a half kilometres).*