

Max's Market Maths: Measurement Challenge

Learning objective: To solve problems involving converting between units of measurement (m, cm, mm) and calculating the total cost of items using money.

Help Max the monkey organise his market stall. Read the information carefully and show your working out for each question. Remember to write your final answers with the correct units (£, m, cm, or mm).

Max is busy setting up his market stall. He has a piece of blue ribbon that is 2 metres long. He also has a wooden shelf that measures 150 centimetres in length. Beside his shelf, he has a display of shiny pebbles. Each pebble costs 45p. A small bag of wildflower seeds costs £1.20. Max wants to make sure everything is measured perfectly before the first customers arrive.

Word bank: convert · millimetre · centimetre · metre · total · calculate · decimal

1. Max needs to cut his 2-metre blue ribbon into 10 equal pieces. How long will each piece be in centimetres? (2 marks)

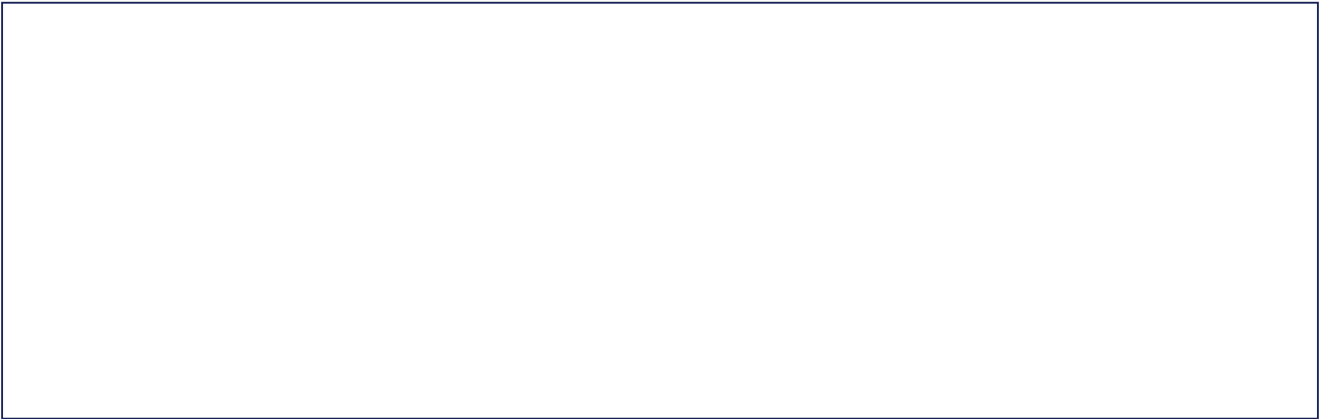
2. The wooden shelf is 150 centimetres long. If Max adds another piece of wood that is 500 millimetres long to the end, what is the total length of the shelf in metres? (2 marks)

3. A customer buys 4 shiny pebbles. How much does the customer spend in total? (2 marks)

4. Another customer buys two bags of wildflower seeds and one shiny pebble. What is the total cost of these items? (2 marks)

5. If Max has £5.00 and buys a new measuring tape for £2.75, how much money does he have left? (2 marks)

Draw: Draw a sketch of Max's market stall. Include the shelf with the ribbon hanging from it and label the lengths of both items using metres or centimetres.



Extension challenge: Max finds a piece of rope that is 350 centimetres long. He needs to divide it into pieces that are 70 centimetres each. How many pieces can he make, and how many metres of rope is that in total?