

Max's Market Maths: Measurement and Money

Learning objective: To measure lengths and calculate totals using pounds (£) and pence (p) in real-world contexts.

Help Max the monkey solve his shopping puzzles at the local market. Read the information below and answer the questions carefully. Remember to show your working out!

Max is visiting the market to buy supplies for his treehouse. He measures a piece of rope for his swing, which is 250 centimetres long. He also buys some colourful fabric for a new banner. The fabric costs £4.50 and he buys a wooden ruler for £1.25. Max has a £10 note in his pocket. He needs to make sure he has enough length of rope and enough money to pay for his items.

Word bank: centimetres · metres · total · change · length · calculate · millimetres

1. Max's rope is 250 centimetres long. How many metres is this? (Hint: 100 centimetres = 1 metre) (2 marks)

2. Calculate the total cost of the fabric (£4.50) and the wooden ruler (£1.25). (2 marks)

3. If Max pays for his items with a £10 note, how much change should he receive? (2 marks)

4. Max finds a piece of ribbon that is 45 centimetres long. He cuts off 15 centimetres. What length of ribbon is left? (1 mark)

5. Max wants to buy another ruler for his friend. If one ruler costs £1.25, how much would two rulers cost? (2 marks)

Draw: Draw a picture of Max the monkey standing in the market. Show him holding his 250cm rope and a bag containing his fabric and ruler.



Extension challenge: Max wants to build a bridge that is 4 metres long. He already has a piece of wood that is 150 centimetres long. How many more centimetres of wood does he need to reach 4 metres?