

Year 3 Measurement Assessment: Max's Market Day

Learning objective: To measure, compare, add and subtract lengths, masses, and volumes, and solve problems involving money.

Read each question carefully. Max the monkey has provided his shop prices and measurements to help you solve these challenges. Show your working out clearly.

Max the monkey is setting up a fruit stall. He has 2 kilograms of apples, 500 grams of strawberries, and 3 litres of fresh juice. A bag of apples costs £2.50 and a punnet of strawberries costs £1.20.

Word bank: millimetres · centimetres · metres · kilograms · grams · litres · millilitres · pounds · pence

1. Max measures a piece of ribbon to tie around his apple crate. The ribbon is 45 centimetres long. He cuts off 12 centimetres. How long is the ribbon now? (2 marks)

2. Max has a bottle of juice that holds 1 litre. He pours 400 millilitres into a glass for Pip. How much juice is left in the bottle? (2 marks)

3. If one bag of apples costs £2.50 and one punnet of strawberries costs £1.20, what is the total cost if a customer buys one of each? (2 marks)

4. Max's weighing scales show that a bunch of bananas weighs 800 grams. A bag of grapes weighs 300 grams. What is the total mass of the fruit in kilograms and grams? (3 marks)

5. Leo the lion wants to buy 3 bags of apples. If each bag costs £2.50, how much change will he get from a £10 note? (4 marks)

6. Explain why it is better to measure the length of a classroom in metres rather than millimetres. Give at least two reasons for your answer. (4 marks)

7. Max wants to create a display banner. He has a piece of string 5 metres long. He uses 150 centimetres for the top and 150 centimetres for the bottom. How many centimetres of string does he have left? Show all your steps, including the conversion from metres to centimetres. (8 marks)

Draw: Draw a set of balance scales. On the left side, draw an object that weighs 500 grams. On the right side, draw two objects that balance it out, labelling their weights.



Extension challenge: Total: /25