

Max's Measurement Mastery: Year 4 Maths Challenge

Learning objective: To convert between units of measurement, calculate perimeter, and solve money-based problems involving decimal notation.

Read each question carefully. Use Max the monkey's logic to solve these measurement puzzles. Remember to check your units and think about the relationship between different scales.

How many centimetres are in 3.5 metres?

350 centimetres

Max has a rectangular garden with a length of 5m and a width of 3m. What is the total perimeter?

16 metres

Convert 4,000 metres into kilometres.

4 kilometres

If a ribbon costs £2.50 per metre, how much would 4 metres cost?

£10.00

Which is longer: 150 centimetres or 1.2 metres? Justify your answer.

150 centimetres is longer, because 1.2 metres is equal to 120 centimetres.

How many millimetres are in 7 centimetres?

70 millimetres

Compare and contrast: Why do we use kilometres for long distances but millimetres for tiny objects?

We use kilometres for long distances because they are larger units that are easier to work with, whereas millimetres are used for precision on small items.

Explain why 0.5 kilometres is the same as 500 metres.

Because there are 1,000 metres in a kilometre, half of 1,000 is 500.

If a square has a perimeter of 20cm, what is the length of one side?

5 centimetres

Max buys 2kg of bananas for £3.00. What is the cost of 1kg?

£1.50