

Max's Market Maths: Rounding Challenges

Learning objective: To round any whole number to a required degree of accuracy and round decimals with two decimal places to the nearest whole number and to one decimal place.

Help Max the monkey organise his market stall prices. Read the passage carefully and use your knowledge of rounding rules to answer the questions below. Remember: if the digit is 5 or more, round up; if it is 4 or less, round down.

Max is busy setting up his fruit stall. He likes to keep his prices simple for his customers. Today, he has bags of apples priced at £4.68, punnets of strawberries at £2.12, and bunches of bananas at £1.55. Max wants to round these prices to the nearest pound so his customers can find the total cost easily in their heads. He also has a crate of oranges that weighs 12.74 kilograms, which he needs to round to the nearest whole kilogram for his delivery records.

Word bank: rounding · accuracy · decimal · nearest · estimate · digit · place value

1. Max rounds the price of the apples (£4.68) to the nearest pound. What is the new price, and how did you decide whether to round up or down? (2 marks)

2. Round the price of the strawberries (£2.12) to the nearest pound. Show your working. (2 marks)

3. Round the weight of the oranges (12.74 kg) to the nearest tenth (one decimal place). (1 mark)

4. Max sold a box of pears for £8.49. If he rounds this to the nearest pound, what is the price? Explain why the 9 in the hundredths column does not change the rounding outcome. (2 marks)

5. A customer buys three bunches of bananas at £1.55 each. What is the exact total, and what is that total rounded to the nearest pound? (3 marks)

Draw: Draw Max the monkey standing at his market stall. Label his price tags with both the original prices (e.g., £4.68) and the rounded prices (e.g., £5.00) to show your work.



Extension challenge: Max has a large basket of blueberries that weighs 7.852 kilograms. Round this weight to the nearest whole kilogram, the nearest tenth, and the nearest hundredth.