

Max's Market Day Maths

Learning objective: To add numbers with up to four digits using formal written methods (column addition) including carrying across columns.

Help Max the monkey calculate the total cost of his shopping basket by setting out your calculations in columns. Remember to line up your thousands, hundreds, tens, and ones correctly, and don't forget to regroup when your total is 10 or more!

Max the monkey is visiting the local village market to buy supplies for his friends. He picks up a bag of forest nuts for £1,245 and a basket of juicy mangoes for £2,378. Later, he finds a beautiful hand-woven rug for his treehouse costing £3,456 and a set of wooden building blocks for £1,867. Max needs to add these prices together carefully to make sure he has enough money in his pocket.

Word bank: column addition · regroup · total · sum · place value · carrying

1. Calculate the total cost of the bag of nuts (£1,245) and the basket of mangoes (£2,378). Show your working out. (2 marks)

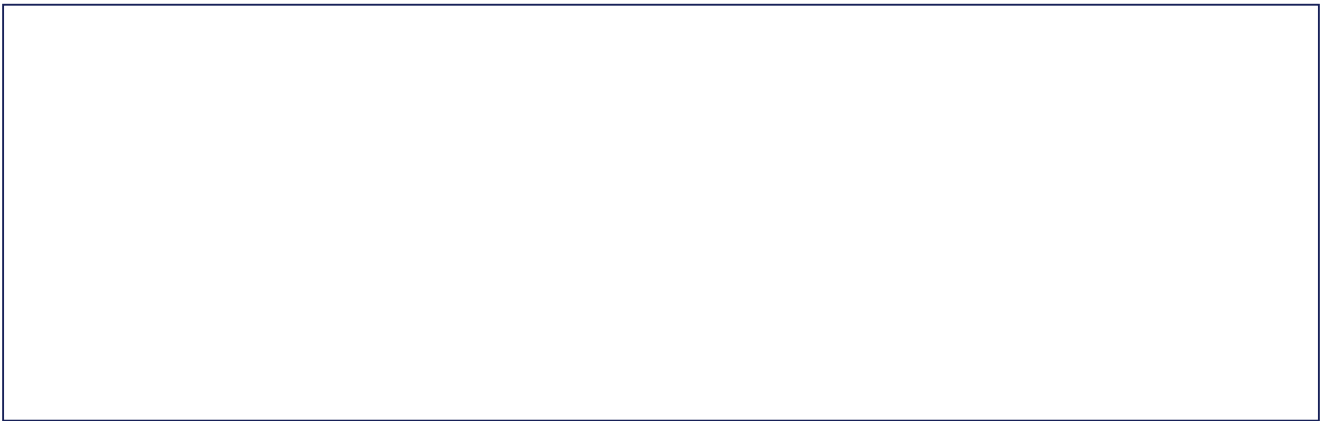
2. What is the sum of the rug (£3,456) and the wooden building blocks (£1,867)? (2 marks)

3. If Max buys all four items, what is the total cost of his entire shopping trip? (3 marks)

4. Explain why it is important to line up the digits in columns when you are adding larger numbers. (2 marks)

5. Max has £10,000 in his bank account. Does he have enough money to buy all four items? Show the calculation that proves your answer. (3 marks)

Draw: Draw a picture of Max the monkey's market basket filled with his items, and write the total price on a tag attached to the handle.



Extension challenge: Max decides to buy a fifth item that costs £2,999. If he already spent the total from question 3, what is his new grand total? Can you find a quick way to add £2,999 by rounding it to the nearest thousand first?