

Max's Magnificent Maths Marathon: Addition Challenge

Learning objective: To consolidate addition skills using column methods, decimals, and problem-solving strategies involving money and large numbers.

Join Max the monkey as he manages his jungle market stall. Read each question carefully, show your working out, and remember to align your digits correctly in columns!

Answer Key: 1. C (£14.85), 2. True, 3. 78,921, 4. B (3.65), 5. False, 6. 1,000,000, 7. A (£22.50), 8. 4,567, 9. True, 10. 12.05. Note: For questions 3, 6, and 8, check that pupils have correctly aligned place values when calculating.

Word bank: Column addition · Decimal point · Exchange · Place value · Sum · Total · Estimate

1. Max sold a basket of mangoes for £8.45 and a bunch of bananas for £6.40. What is the total? A) £14.25 B) £14.05 C) £14.85* D) £15.85 (1 mark)

2. True or False: When adding 4,567 and 2,345, the sum will always end in a 2. (True/False) (1 mark)

3. Calculate the sum of 45,678 and 33,243. (1 mark)

4. Which of these is the correct sum of $1.25 + 2.40$? A) 3.55 B) 3.65* C) 3.75 D) 3.45 (1 mark)

5. True or False: The commutative law of addition means $500 + 200$ is the same as $200 + 500$. (True/False) (1 mark)

6. Max has 450,000 coconuts and receives a delivery of 550,000 more. How many does he have in total? (1 mark)

7. Max buys a new crate for £12.50 and some labels for £10.00. How much did he spend? A) £22.50* B) £21.50 C) £22.00 D) £23.50 (1 mark)

8. What is $2,345 + 2,222$? (1 mark)

9. True or False: If you add two numbers that end in 5, the result will always be an even number. (True/False) (1 mark)

10. Add $5.50 + 6.55$. (1 mark)

Draw: Draw Max the monkey standing at his market stall, proudly holding a sign that shows the total cost of his fruit baskets.



Extension challenge: 1. Explain why it is vital to align the decimal point when adding money. 2. Compare and contrast adding whole numbers versus adding numbers with two decimal places. 3. Justify your answer: Does changing the order of addends change the sum? Why or why not? 4. What might happen if you forget to 'exchange' (carry over) a ten during column addition? 5. Create your own word problem involving the addition of three different prices of fruit that totals exactly £10.00. 6. If Max adds 1,000 to a four-digit number, which digit changes and why?