

Max's Mathematical Market Adventure

Learning objective: To solve multi-step word problems involving addition, subtraction, multiplication, and division using dollars and cents.

Help Max the monkey calculate the costs at the woodland market. Read each scenario carefully, show your working out, and remember to include the £ symbol in your answers.

Answer Key: 1. A (£12.50) 2. True 3. 4 4. B (£3.60) 5. False (It is £1.50) 6. 12 7. C (£8.25) 8. True 9. 24 10. B (£2.00). Working out for extended answers: Max spends £15.00 total for 6 items at £2.50 each.

Word bank: calculate · product · difference · total · quotient · remainder · value · equivalence

1. 1. Max buys 5 bunches of bananas for £2.50 each. What is the total cost? A) £12.50*, B) £10.00, C) £15.00, D) £7.50 (1 mark)

2. 2. True or False: If an apple costs 50p, 4 apples will cost exactly £2.00. (1 mark)

3. 3. Ellie the elephant has £20.00. If she buys a book for £16.00, how many £1.00 packets of peanuts can she buy with the change? (1 mark)

4. 4. A bag of birdseed costs £1.20. How much do 3 bags cost? A) £3.00, B) £3.60*, C) £3.30, D) £4.00 (1 mark)

5. 5. True or False: If a jar of honey costs £2.50 and you pay with a £5.00 note, your change is £1.00. (1 mark)

6. 6. Zara the zebra wants to buy 4 painting kits costing £3.00 each. How much will she spend in total? (1 mark)

7. 7. Kit the fox has £10.00. He buys a puzzle for £1.75. How much money does he have left? A) £7.25, B) £9.25, C) £8.25*, D) £8.75 (1 mark)

8. 8. True or False: To find the cost of 6 items at £2.00 each, you can multiply 6 by 2. (1 mark)

9. 9. If 8 notebooks cost £24.00, how much does one notebook cost? (1 mark)

10. 10. Which is the best estimate for the total of £1.10 + £0.90? A) £1.50, B) £2.00*, C) £2.50, D) £3.00 (1 mark)

Draw: Draw Max the monkey standing at a market stall with a sign displaying his fruit prices. Include labels showing the price of at least three different items.



Extension challenge: Greater Depth Challenges: 1. Explain why you might use the inverse operation to check if your answer to a subtraction word problem is correct. 2. Justify your answer: If you have £10.00, can you buy 3 items costing £3.50 each? Show your reasoning. 3. Compare and contrast: How does calculating the total cost of 4 items at £1.50 differ from calculating 2 items at £3.00? 4. What might happen if the price of an item changed from £1.99 to £2.01? How would that affect your mental calculation strategy? 5. Create your own multi-step word problem involving at least three different prices and a total budget of £20.00. 6. If items are sold in 'buy one get one half price' deals, how does this change the way you calculate the total cost for 4 items?