

## Max's Market Math Challenge

*Learning objective: To subtract numbers with up to four digits using formal written methods, including column subtraction with exchanging.*

Read the scenarios carefully and use column subtraction to solve the problems. Show your working out clearly in the space provided.

Max the monkey is helping at the community market today. He is in charge of the fruit stall and the stationery stand. He needs your help to calculate the change for his customers and to track how many items are left in his stock.

*Word bank: difference · exchange · column · total · remainder · subtract*

**1. Max starts the day with 1,250 red apples. He sells 482 apples by lunchtime. How many apples does he have left? (2 marks)**

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**2. The stationery stand has 2,405 pencils. If Max sells 678 pencils to the local school, how many pencils remain on the shelf? (2 marks)**

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**3. A box of mixed fruit costs £8.50. A customer pays with a £20 note. Use subtraction to calculate how much change Max should give back. (2 marks)**

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**4. Max counts 3,000 stickers at the start of the week. By Friday, he has sold 1,432. How many stickers are left? (2 marks)**

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**5. Explain why we must 'exchange' (or borrow) when subtracting 482 from 1,250. Which column do you start with? (2 marks)**

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**Draw:** Draw a fruit basket containing 15 pieces of fruit, then draw an arrow showing 7 pieces being taken away. Label the subtraction calculation underneath your drawing.



*Extension challenge: Max has 5,000 items in his warehouse. He sells 1,245 on Monday and 1,876 on Tuesday. How many items does he have left in total? Can you write a word problem for a friend to solve using the number 4,321?*