

Max's Spooky Autumn Market Maths

Learning objective: To solve multi-step problems involving money, calculations, and fractions in a real-world context.

Max the monkey is helping at the local autumn fair. Read the passage carefully and use your maths skills to help him calculate the totals and find the best deals.

Max has set up a stall selling seasonal treats to raise money for the forest library. He has 120 packets of pumpkin seeds to sell at £1.25 each. By midday, he has sold three-quarters of his stock. In the afternoon, he decides to offer a 20% discount on the remaining packets to clear them quickly. Meanwhile, Pip the caterpillar is helping him sort out the accounts. They also have a display of autumn leaves, where every 5th leaf is gold, and they sell these for £2.50, while standard leaves are sold for 80p.

Word bank: calculate · profit · fraction · decimal · discount · remainder

1. How much money did Max make from selling the first three-quarters of his pumpkin seed packets? (2 marks)

2. If Max applies a 20% discount to the original price of £1.25 for the remaining packets, what is the new price per packet? (2 marks)

3. How much total revenue will Max make if he sells all 120 packets of seeds (using the original price for the first 90 and the discounted price for the final 30)? (3 marks)

4. Max has 85 leaves in total. If every 5th leaf is gold, how many gold leaves does he have to sell? (1 mark)

5. What is the difference in price between one gold leaf and one standard leaf? (1 mark)

Draw: Draw a sketch of Max the monkey standing behind a market stall decorated with pumpkins and autumn leaves, showing clearly labelled price tags for his items.



Extension challenge: Max wants to donate one-third of his total profit to the library. If his total revenue from all seeds and leaves combined is £185.00, calculate how much money he will donate.