

Max the Monkey's Spooky Maths Challenge

Learning objective: To apply Year 6 arithmetic skills, including four operations and money calculations, in a themed context.

Help Max the Monkey solve these Halloween-themed puzzles. Show your working out clearly for every question.

Max the Monkey is organising a spooky autumn party for his friends. He needs your help to manage the budget and supplies for the event.

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

1. Max buys 12 bags of pumpkin seeds for £1.45 each. How much does he spend in total? (2 marks)

2. The party decorations cost £45.60. If Max and four friends share the cost equally, how much does each person pay? (2 marks)

3. There are 156 glow-in-the-dark stickers to be shared among 12 party bags. How many stickers will be in each bag? (2 marks)

4. Max has a budget of £100. He spends £32.50 on costumes and £28.75 on snacks. How much money does he have left? (2 marks)

5. A pack of 6 spider-web streamers costs £2.10. If Max needs 24 streamers, how much will he spend in total? (3 marks)

Draw: Draw a symmetrical spider web pattern that Max could use to decorate the party room.



Extension challenge: Max finds a 'buy one get one half price' deal on bags of dried fruit which cost £2.00 each. If he buys 4 bags, what is the new total cost? Explain your method.