

Max's Outdoor Adventure Planning

Learning objective: To apply mathematical reasoning and logistical planning to a group expedition, ensuring safety and budget management.

Max the monkey is organising an outdoor adventure for his friends. Help him solve these puzzles by sorting his equipment list, calculating the costs, and sequencing the day's itinerary correctly. Use the word bank to help you complete the plans.

Word bank: First Aid Kit · Waterproof Jacket · Map · Compass · Whistle · Sun Hat · High-energy snacks · Emergency blanket

1. Max needs to buy 4 torches for the group at £3.50 each and a large box of cereal bars for £4.25. Calculate the total cost of these items and explain how you worked it out. (3 marks)

2. Look at the word bank. Sort the items into two lists: 'Essential for Safety' and 'Essential for Comfort'. (4 marks)

3. If the group starts their hike at 09:15 and walks for 3 hours and 45 minutes, what time do they finish? Show your working out. (2 marks)

4. Why is it important for the group to carry a map and a compass rather than relying solely on digital devices? (2 marks)

5. If Max has a budget of £25.00 and has already spent £18.25, how much money does he have left to buy extra fruit for the group? (2 marks)

Draw: Draw a map of the forest adventure trail that Max and his friends are following. Include a 'Start' point, a 'Treasure' spot, and at least three landmarks using symbols that you have created for your legend.



Extension challenge: Research the 'Countryside Code'. Write three golden rules for Max and his friends to follow to ensure they protect the natural environment during their outdoor adventure.