

Max's Festive Fairground Maths

Learning objective: To solve addition, subtraction, and multiplication problems involving money and measures in a Christmas context.

Help Max the monkey calculate the costs and quantities at the Winter Wonderland Fair. Show your working out clearly.

Max the monkey is helping set up the stalls at the Winter Wonderland Fair. He has a list of items to buy for the festivities. A bag of magical fairy lights costs £4.50. A bundle of pine branches costs £2.25. A box of shiny baubles costs £3.75. Max has a budget of £20.00 to spend on decorations. He also needs to buy 5 packets of star-shaped cookies, which cost 80p each. Max loves using maths to make sure he has enough for everyone!

Word bank: total · change · product · calculate · pence · pounds · multiplication

1. What is the total cost of the fairy lights, the pine branches, and the box of baubles added together? (2 marks)

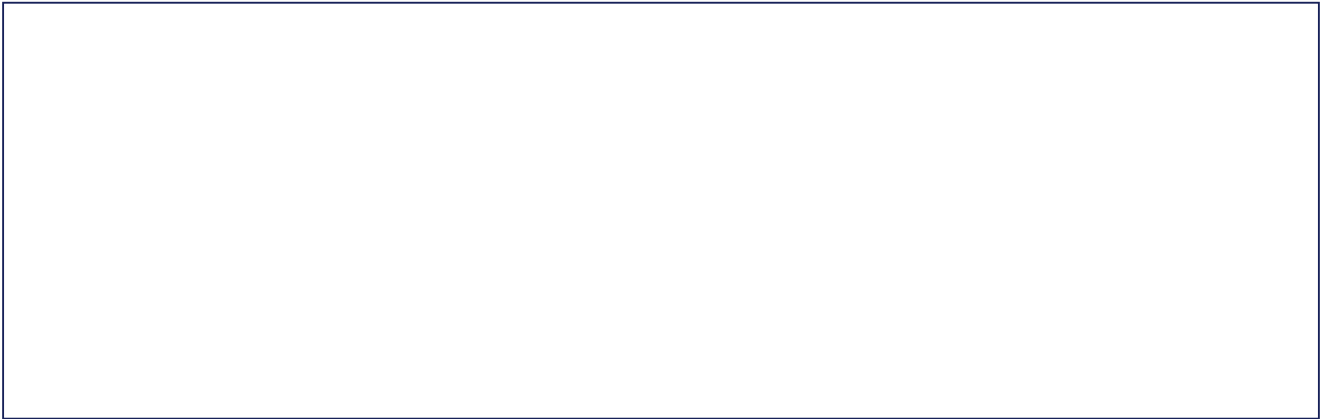
2. Max buys 5 packets of star-shaped cookies at 80p each. How much do the cookies cost in total? (2 marks)

3. If Max spends the total amount calculated from the decorations and the cookies, how much change will he have from his £20.00 budget? (3 marks)

4. A garland is 3 metres long. If Max needs 4 garlands to decorate the tree, what is the total length in metres? (1 mark)

5. Explain how you worked out the cost of the cookies. Did you use addition or multiplication? (2 marks)

Draw: Draw a festive stall for Max the monkey, showing the price tags for the cookies and the fairy lights clearly.



Extension challenge: Max finds a 'buy one get one half price' deal on baubles. If one box is £3.75, how much would two boxes cost with this offer?