

Festive Maths Challenge with Max the Monkey

Learning objective: To apply Year 6 mathematical skills including arithmetic, percentages, and area calculation to festive-themed problems.

Use these flashcards to test your knowledge. Read the question on the front, calculate the answer, and then check the back to see if you are correct!

Max is buying baubles. A pack of 12 baubles costs £6.00. How much does each bauble cost?	A box of 40 mince pies is on sale with 20% off. If the original price was £5.00, what is the discount amount?
50p (£0.50)	£1.00
Zara is wrapping a gift. The rectangular box is 10cm long and 5cm wide. What is the area of the top of the box?	Pip the caterpillar has 150 Christmas cards to post. If she posts 30 cards a day, how many days will it take?
50cm ²	5 days
Kit the fox finds a string of lights 480cm long. If he cuts them into 4 equal lengths, how long is each piece?	Ellie the elephant buys 3 boxes of crackers at £2.50 each. How much change does she get from a £10.00 note?
120cm	£2.50
The ratio of red to gold tinsel on the tree is 3:2. If there are 9 red strips, how many gold strips are there?	Leo the lion counts 12, 18, and 24 pinecones under three trees. What is the mean number of pinecones?
6	18
A festive cake weighs 1.2kg. If it is cut into 4 equal slices, what is the weight of one slice in grams?	Nova the owl sees 15 stars. If she adds 25 more, what is the total number of stars written as a percentage of 100?
300g	40%
If a Christmas jumper costs £25.00 and the price increases by 10%, what is the new price?	Bea the bee collects 5 batches of nectar, each containing 12ml. How many litres of nectar is this in total?
£27.50	0.06 litres