

Max's Christmas Math Challenge

Learning objective: To practice Grade 3 mathematical skills including money, time, fractions, and perimeter within a festive context.

Read each card carefully. Think about the math puzzle Max the monkey has set for you. Write your answer on the back of each card or on a piece of paper.

Max bought a box of 24 festive crackers. He gave $\frac{1}{4}$ of them to his friends. How many crackers did he give away?

6 crackers ($24 \div 4 = 6$).

If a pack of 5 gold stars costs £2.50, how much does one star cost?

£0.50 or 50p ($£2.50 \div 5 = £0.50$).

A rectangular Christmas banner is 4 metres long and 2 metres wide. What is the perimeter of the banner?

12 metres ($4 + 2 + 4 + 2 = 12$).

Zara is decorating a tree. She hangs 12 red baubles and 18 green baubles. What is the total number of baubles?

30 baubles ($12 + 18 = 30$).

The Christmas carol concert starts at 14:15 and lasts for 45 minutes. What time does it finish?

15:00.

Kit has £10.00. He spends £3.25 on wrapping paper and £4.50 on ribbon. How much money does he have left?

£2.25 ($£10.00 - £7.75 = £2.25$).

A mince pie weighs 60 grams. If you eat 3 mince pies, what is the total weight in grams?

180 grams ($60 \times 3 = 180$).

What is 1,000 more than 4,520?

5,520.

If a string of fairy lights is 800cm long, how many metres is that?

8 metres ($800 \div 100 = 8$).

Max has 4 boxes of chocolates. Each box contains 9 chocolates. How many chocolates are there in total?

36 chocolates ($4 \times 9 = 36$).